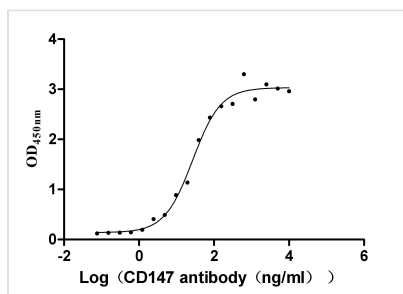




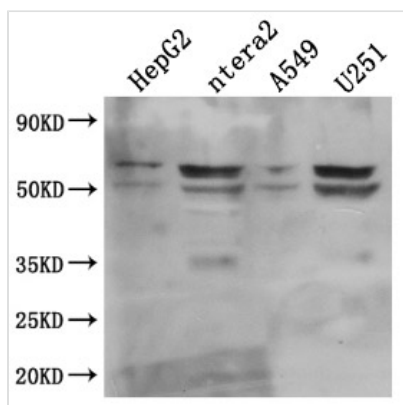
# CD147 Recombinant Monoclonal Antibody

|                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Code</b>        | CSB-RA002831A0HU                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Storage</b>             | Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Uniprot No.</b>         | P35613                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Immunogen</b>           | Recombinant Human CD147 protein                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Species Reactivity</b>  | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Tested Applications</b> | ELISA, WB, IHC, IF, FC; Recommended dilution: WB:1:500-1:2000, IHC:1:50-1:200, IF:1:50-1:200, FC:1:50-1:200                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Form</b>                | Liquid                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Conjugate</b>           | Non-conjugated                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Storage Buffer</b>      | Preservative: 0.03% Proclin 300<br>Constituents: 50% Glycerol, 0.01M PBS, PH 7.4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Purification Method</b> | Affinity-chromatography                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Isotype</b>             | mIgG2a                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Clonality</b>           | Monoclonal                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Alias</b>               | 5A11 antigen antibody; 5F7 antibody; BASI_HUMAN antibody; Basigin (Ok blood group) antibody; Basigin antibody; Blood brain barrier HT7 antigen antibody; Bsg antibody; CD 147 antibody; CD147 antibody; CD147 antigen antibody; Collagenase stimulatory factor antibody; EMMPRIN antibody; Extracellular matrix metalloproteinase inducer antibody; Leukocyte activation antigen M6 antibody; M 6 antibody; M6 antibody; M6 leukocyte activation antigen antibody; Neurothelin antibody; OK antibody; OK blood group antibody; OK blood group antigen antibody; TCSF antibody; Tumor cell derived collagenase stimulatory factor antibody; Tumor cell-derived collagenase stimulatory factor antibody |
| <b>Product Type</b>        | Recombinant Antibody                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Immunogen Species</b>   | Homo sapiens (Human)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Target Names</b>        | BSG                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Clone No.</b>           | 11F3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |

## Image



The Binding Activity of CD147 with Anti-CD147 recombinant Antibody  
Activity: Measured by its binding ability in a functional ELISA. Immobilized Human CD147 (CSB-MP002831HU1) at 2 µg/ml can bind Anti-CD147 recombinant Antibody, the EC<sub>50</sub> is 21.95-33.12 ng/ml.



#### Western Blot

Positive WB detected in: HepG2 whole cell lysate, ntera2 whole cell lysate, A549 whole cell lysate, U251 whole cell lysate

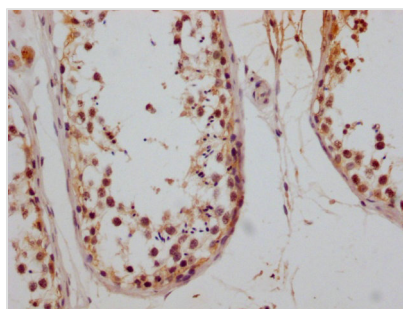
All lanes: CD147 antibody at 1:1000

#### Secondary

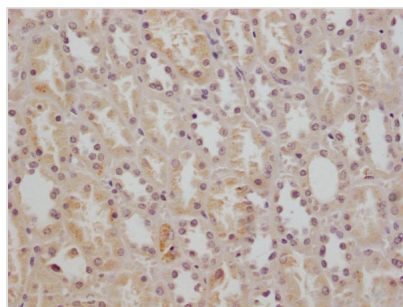
Goat polyclonal to mouse IgG at 1/50000 dilution

Predicted band size: 42, 29, 23, 19 KDa

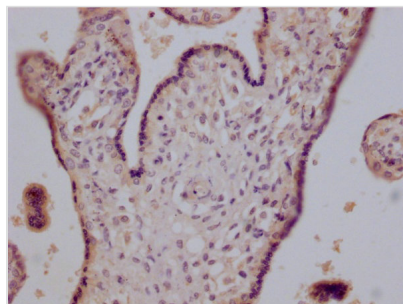
Observed band size: 35, 50-60 KDa



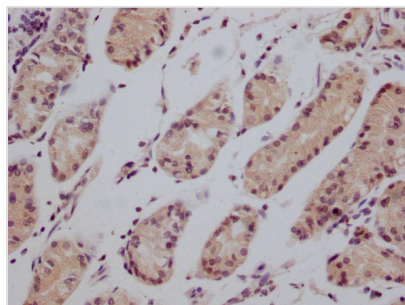
IHC image of CSB-RA002831A0HU diluted at 1:200 and staining in paraffin-embedded human testis tissue performed on a Leica Bond<sup>TM</sup> system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4°C overnight. The primary is detected by a Goat anti-mouse polymer IgG labeled by HRP and visualized using 0.05% DAB.



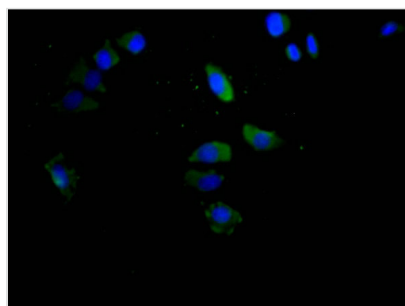
IHC image of CSB-RA002831A0HU diluted at 1:200 and staining in paraffin-embedded human kidney tissue performed on a Leica Bond<sup>TM</sup> system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4°C overnight. The primary is detected by a Goat anti-mouse polymer IgG labeled by HRP and visualized using 0.05% DAB.



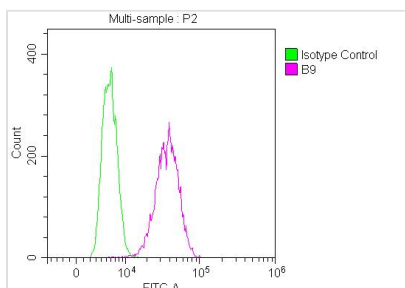
IHC image of CSB-RA002831A0HU diluted at 1:200 and staining in paraffin-embedded human placenta tissue performed on a Leica Bond<sup>TM</sup> system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4°C overnight. The primary is detected by a Goat anti-mouse polymer IgG labeled by HRP and visualized using 0.05% DAB.



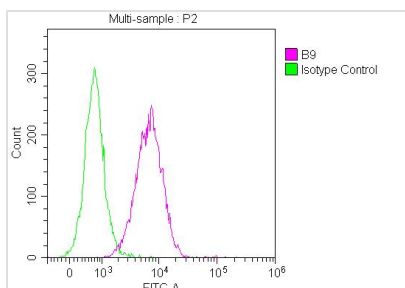
IHC image of CSB-RA002831A0HU diluted at 1:200 and staining in paraffin-embedded human stomach tissue performed on a Leica Bond™ system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4°C overnight. The primary is detected by a Goat anti-mouse polymer IgG labeled by HRP and visualized using 0.05% DAB.



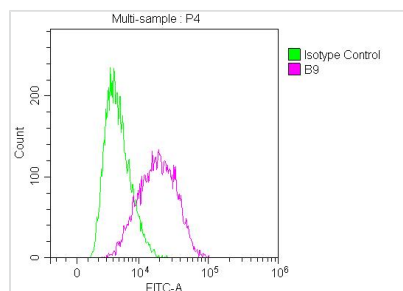
Immunofluorescence staining of Hela cells with CSB-RA002831A0HU at 1:150, counter-stained with DAPI. The cells were fixed in 4% formaldehyde and blocked in 10% normal Goat Serum. The cells were incubated with the antibody overnight at 4°C. Nuclear DNA was labeled in blue with DAPI. The secondary antibody was FITC-conjugated AffiniPure Goat Anti-Mouse IgG (H+L).



Overlay Peak curve showing Hela cells stained with CSB-RA002831A0HU (red line) with 1 µg/well (10 µg/mL, 100 µL/well). Then 10% normal goat serum was incubated to block non-specific protein-protein interactions followed by the antibody (1µg/1\*10<sup>6</sup>cells) for 45 min at 4°C. The secondary antibody used was FITC-conjugated Goat Anti-Mouse IgG(H+L) at 1/200 dilution for 35 min at 4°C. Isotype control antibody (green line) was mouse IgG1 (1µg/1\*10<sup>6</sup>cells) used under the same conditions. Acquisition of >10,000 events was performed.



Overlay Peak curve showing Jurkat cells stained with CSB-RA002831A0HU (red line) with 1 µg/well (10 µg/mL, 100 µL/well). Then 10% normal goat serum was incubated to block non-specific protein-protein interactions followed by the antibody (1µg/1\*10<sup>6</sup>cells) for 45 min at 4°C. The secondary antibody used was FITC-conjugated Goat Anti-Mouse IgG(H+L) at 1/200 dilution for 35 min at 4°C. Isotype control antibody (green line) was mouse IgG1 (1µg/1\*10<sup>6</sup>cells) used under the same conditions. Acquisition of >10,000 events was performed.



Overlay Peak curve showing HepG2 cells surface stained with CSB-RA002831A0HU (red line) with 1  $\mu\text{g}/\text{well}$  (10  $\mu\text{g}/\text{mL}$ , 100  $\mu\text{L}/\text{well}$ ). Then 10% normal goat serum was Incubated to block non-specific protein-protein interactions followed by the antibody (1 $\mu\text{g}/1*10^6$ cells) for 45 min at 4°C. The secondary antibody used was FITC-conjugated Goat Anti-Mouse IgG(H+L) at 1/200 dilution for 35 min at 4°C. Isotype control antibody (green line) was mouse IgG1 (1 $\mu\text{g}/1*10^6$ cells) used under the same conditions. Acquisition of >10,000 events was performed.

## Usage

For Research Use Only. Not for use in diagnostic or therapeutic procedures.