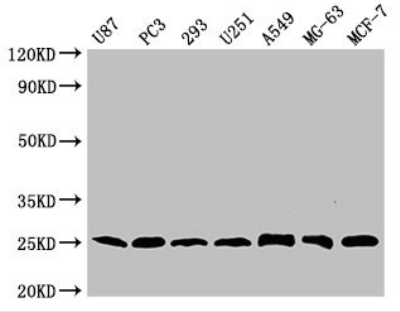
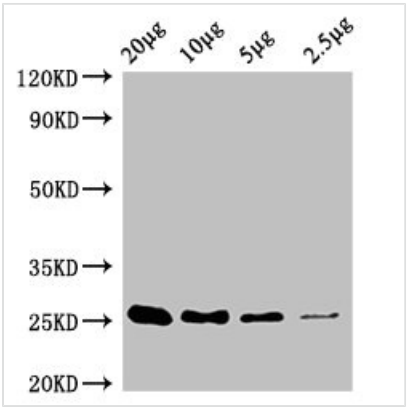
CD9 Monoclonal Antibody

Product Code	CSB-MA004969A1m
Storage	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.
Uniprot No.	P21926
Immunogen	Recombinant Human CD9 antigen protein (112-195AA)
Raised In	Mouse
Species Reactivity	Human
Tested Applications	ELISA, WB, IHC, IF, FC; Recommended dilution: WB?1:1000-1:32000, IHC:1:50-1:200, IF:1:50-1:200, FC:1:50-1:200
Relevance	Involved in platelet activation and aggregation. Regulates paranodal junction formation. Involved in cell adhesion, cell motility and tumor metastasis. Required for sperm-egg fusion.
Form	Liquid
Conjugate	Non-conjugated
Storage Buffer	Preservative: 0.03% Proclin 300 Constituents: 50% Glycerol, 0.01M PBS, PH 7.4
Purification Method	>95%, Protein G purified
Isotype	IgG1
Clonality	Monoclonal
Product Type	Monoclonal Antibody
Immunogen Species	Homo sapiens (Human)
Gene Names	CD9
Clone No.	1E8H1

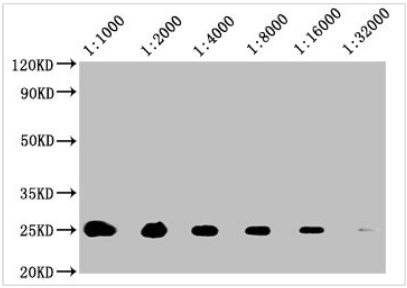
Image



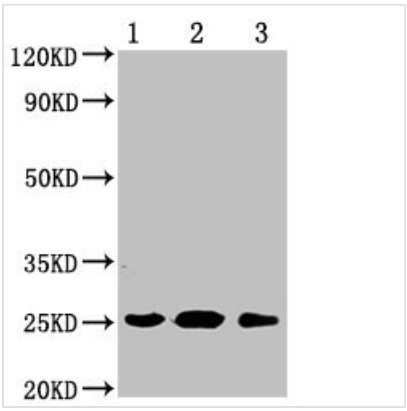
Western Blot
Positive WB detected in: U87 whole cell lysate, PC-3 whole cell lysate, 293 whole cell lysate, U251 whole cell lysate, A549 whole cell lysate, MG-63 whole cell lysate, MCF-7 whole cell lysate
All lanes CD9 antibody at 1:2000
Secondary
Goat polyclonal to mouse IgG at 1/50000 dilution
Predicted band size: 25 KDa
Observed band size: 25 KDa
Exposure time: 5min



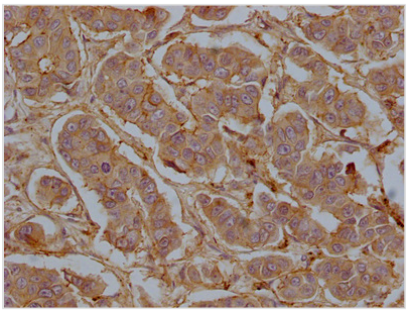
Western Blot
Positive WB detected in: A549 whole cell lysate at 20μg, 10μg, 5μg, 2.5μg whole cell lysate
All lanes CD9 antibody at 1:2000
Secondary
Goat polyclonal to mouse IgG at 1/50000 dilution
Predicted band size: 25 KDa
Observed band size: 25 KDa
Exposure time: 5min



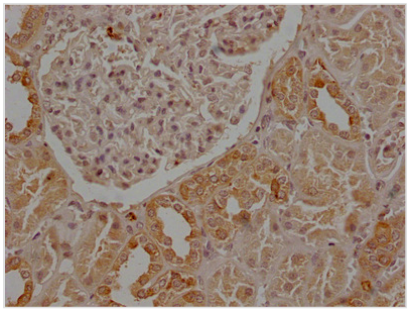
Western Blot
Positive WB detected in: 20μg A549 whole cell lysate
All lanes: CD9 antibody at 1:1000, 1:2000, 1:4000, 1:8000, 1:16000, 1:32000
Secondary
Goat polyclonal to mouse IgG at 1/50000 dilution
Predicted band size: 25 KDa
Observed band size: 25 KDa
Exposure time: 5min



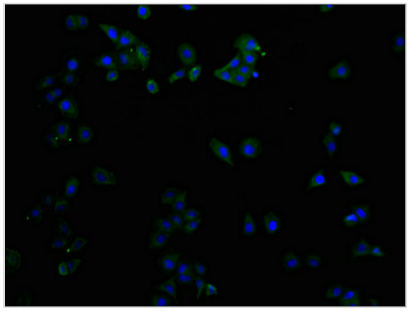
Western Blot
Positive WB detected in: 1.Exosomes extracted from plasma
2.Exosomes extracted from serum
3.Exosomes extracted from Hela cells
All lanes: CD9 antibody at 1:1000
Secondary
Goat polyclonal to mouse IgG at 1/50000 dilution
Predicted band size: 25 KDa
Observed band size: 25 KDa
Exposure time: 5min



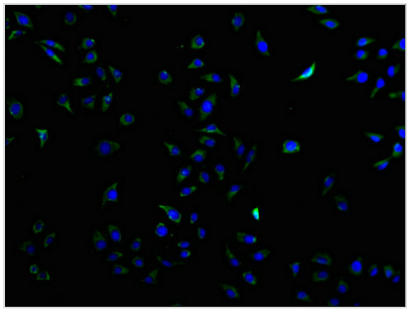
IHC image of CSB-MA004969A1m diluted at 1:50 and staining in paraffin-embedded human breast cancer tissue performed on a Leica BondTM system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at 37°C. Then primary antibody (1% BSA) was incubated at 4°C overnight. The primary is detected by a Goat anti-rabbit IgG labeled by HRP and visualized using 0.05% DAB.



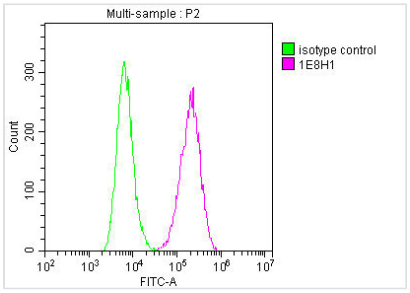
IHC image of CSB-MA004969A1m diluted at 1:50 and staining in paraffin-embedded human kidney tissue performed on a Leica BondTM system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at 37°C. Then primary antibody (1% BSA) was incubated at 4°C overnight. The primary is detected by a Goat anti-rabbit IgG labeled by HRP and visualized using 0.05% DAB.



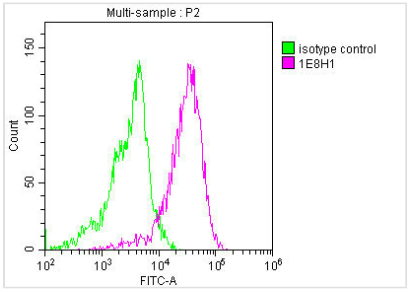
Immunofluorescence staining of Hela cells with CSB-MA004969A1m at 1:50, counter-stained with DAPI. The cells were fixed in 4% formaldehyde and blocked in 10% normal Goat Serum. The cells were then incubated with the antibody overnight at 4°C. Nuclear DNA was labeled in blue with DAPI. The secondary antibody was FITC-conjugated AffiniPure Goat Anti-Mouse IgG (H+L).



Immunofluorescence staining of HepG2 cells with CSB-MA004969A1m at 1:50, counter-stained with DAPI. The cells were fixed in 4% formaldehyde and blocked in 10% normal Goat Serum. The cells were then 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).

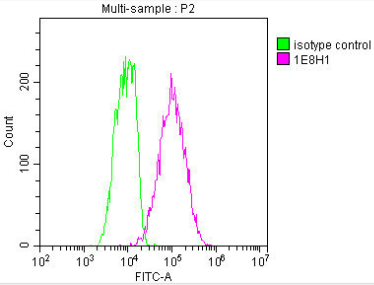


Overlay histogram showing A549 cells stained with CSB-MA004969A1m (red line) at 1:100. The cells were fixed in 4% formaldehyde and permeated by 0.2% TritonX-100. Then 10% normal goat serum was Incubated to block non-specific protein-protein interactions followed by the antibody (1μg/1*10^6cells) for 1 h at 4°C. The secondary antibody used was FITC-conjugated Goat Anti-Mouse IgG(H+L) at 1/100 dilution for 30min at 4°C. Isotype control antibody (green line) was mouse IgG1 (1μg/1*106cells) used under the same conditions. Acquisition of >10,000 events was performed.

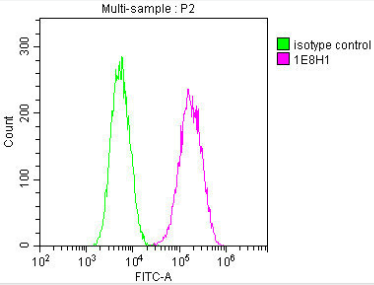


Overlay histogram showing Jurkat cells stained with CSB-MA004969A1m (red line) at 1:100. The cells were fixed in 4% formaldehyde and permeated by 0.2% TritonX-100. Then 10% normal goat serum was Incubated to block non-specific protein-protein interactions followed by the antibody (1μg/1*10^6cells) for 1 h at 4°C. The secondary antibody used was FITC-conjugated Goat Anti-Mouse IgG(H+L) at 1/100 dilution for 30min at 4°C. Isotype control antibody (green

line) was mouse IgG1(1µg/1*106cells) used under the same conditions. Acquisition of >10,000 events was performed.



Overlay histogram showing PC-3 cells stained with CSB-MA004969A1m (red line) at 1:100. The cells were fixed in 4% formaldehyde and permeated by 0.2% TritonX-100. Then 10% normal goat serum was Incubated to block non-specific protein-protein interactions followed by the antibody (1µg/1*10^6cells) for 1 h at 4°C. The secondary antibody used was FITC-conjugated Goat Anti-Mouse IgG(H+L) at 1/100 dilution for 30min at 4°C. Isotype control antibody (green line) was mouse IgG1 (1µg/1*106cells) used under the same conditions. Acquisition of >10,000 events was performed.



Overlay histogram showing U87 cells stained with CSB-MA004969A1m (red line) at 1:100. The cells were fixed in 4% formaldehyde and permeated by 0.2% TritonX-100. Then 10% normal goat serum was Incubated to block non-specific protein-protein interactions followed by the antibody (1µg/1*10^6cells) for 1 h at 4°C. The secondary antibody used was FITC-conjugated Goat Anti-Mouse IgG(H+L) at 1/100 dilution for 30min at 4°C. Isotype control antibody (green line) was mouse IgG1 (1µg/1*106cells) used under the same conditions. Acquisition of >10,000 events was performed.