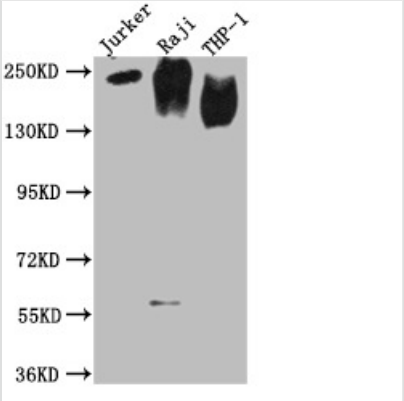
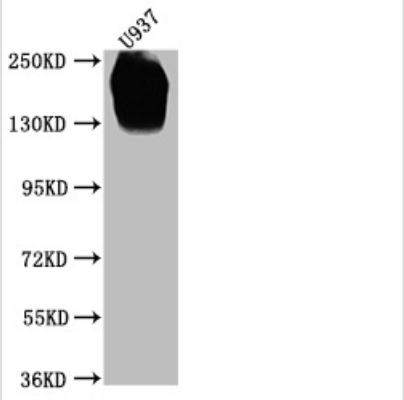
CD45 Monoclonal Antibody

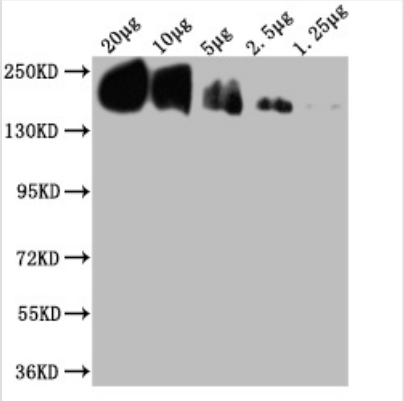
Product Code	CSB-MA019049A0m
Storage	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.
Uniprot No.	P08575
Immunogen	Recombinant Human Receptor-type tyrosine-protein phosphatase C protein (24-575AA)
Raised In	Mouse
Species Reactivity	Human
Tested Applications	ELISA, WB, IHC, IF, FC; Recommended dilution: WB: 1:2000-1:32000, IHC: 1:200-1:600, IF: 1:100-1:300, FC: 1:200-1:600
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 A purified
Isotype	IgG2b
Clonality	Monoclonal Antibody
Alias	B220 antibody; CD 45 antibody; CD45 antibody; CD45 antigen antibody; CD45R antibody; GP180 antibody; L-CA antibody; LCA antibody; Leukocyte common antigen antibody; loc antibody; Ly-5 antibody; LY5 antibody; Ly5, homolog of antibody; Lyt-4 antibody; OTTHUMP00000033813 antibody; OTTHUMP00000033816 antibody; OTTHUMP00000033817 antibody; OTTHUMP00000038574 antibody; Protein tyrosine phosphatase receptor type c polypeptide antibody; Protein tyrosine phosphatase, receptor type C antibody; protein tyrosine phosphatase, receptor type, C antibody; Protein tyrosine phosphatase, receptor type, c polypeptide antibody; Ptprc antibody; PTPRC_HUMAN antibody; Receptor-type tyrosine-protein phosphatase C antibody; T200 antibody; T200 glycoprotein antibody; T200 leukocyte common antigen antibody
Product Type	Monoclonal Antibody
Immunogen Species	Human
Clone No.	17H9D4
Image	



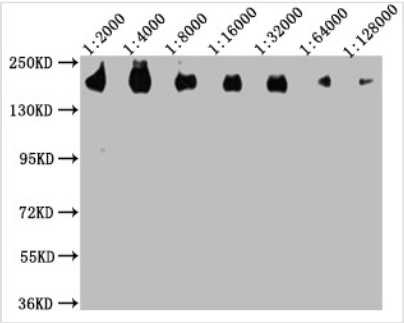
Western Blot
Positive WB detected in: Jurkat whole cell lysate, Raji whole cell lysate, THP-1 whole cell lysate
All lanes CD45 antibody at 1:2000
Secondary
Goat polyclonal to mouse IgG at 1/50000 dilution
Predicted band size: 148, 132, 143, 141, 139, 136 KDa
Observed band size: 180-250 KDa
Exposure time:15min



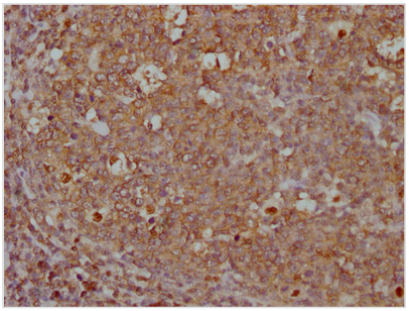
Western Blot
Positive WB detected in: U937 whole cell lysate
All lanes CD45 antibody at 1:2000
Secondary
Goat polyclonal to mouse IgG at 1/50000 dilution
Predicted band size: 148, 132, 143, 141, 139, 136 KDa
Observed band size: 180-250 KDa
Exposure time:5min



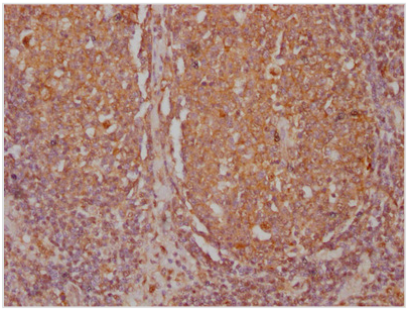
Western Blot
Positive WB detected in: THP-1whole cell lysate at 20μg, 10μg, 5μg, 2.5μg, 1.25μg All lanes: CD45 antibody at 1:2000
Secondary
Goat polyclonal to mouse IgG at 1/50000 dilution
Predicted band size: 148, 132, 143, 141, 139, 136 KDa
Observed band size: 180-250 KDa
Exposure time:15min



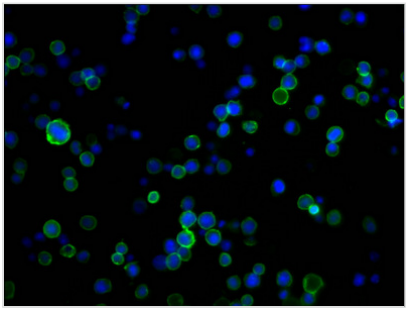
Western Blot
Positive WB detected in: 20μg THP-1 whole cell lysate CD45 antibody at 1:2000, 1:4000, 1:8000, 1:16000, 1:32000, 1:64000, 1:128000
Secondary
Goat polyclonal to mouse IgG at 1/50000 dilution
Predicted band size: 148, 132, 143, 141, 139, 136 KDa
Observed band size: 180-250 KDa
Exposure time:15min



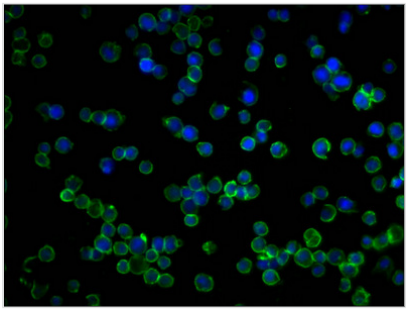
IHC image of CSB-MA019049A0m diluted at 1:500 and staining in paraffin-embedded human tonsil tissue performed on a Leica BondTM system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. 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.



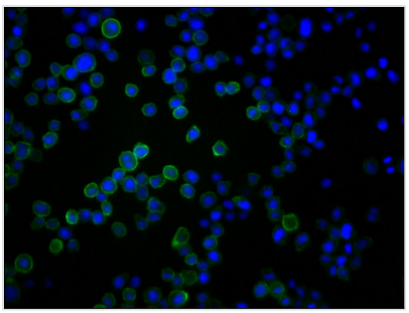
IHC image of CSB-MA019049A0m diluted at 1:500 and staining in paraffin-embedded human lymph node tissue performed on a Leica BondTM system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. 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.



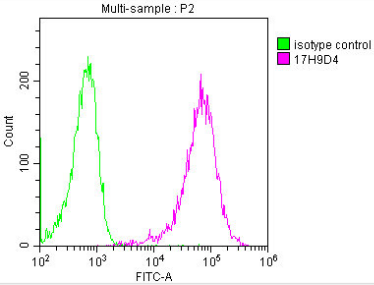
Immunofluorescence staining of Jurkat cells with CSB-MA019049A0m at 1:250, counter-stained with DAPI. The cells were incubated with the antibody overnight at 4°C. Nuclear DNA was labeled in blue with DAPI. The secondary antibody was FITC-conjugated AffiniPure Goat Anti-Mouse IgG (H+L).



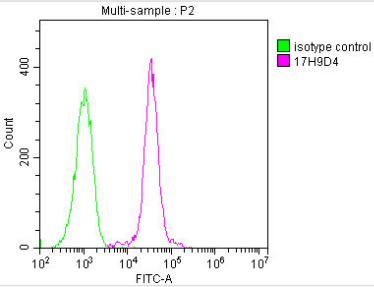
Immunofluorescence staining of Raji cells with CSB-MA019049A0m at 1:250, counter-stained with DAPI. The cells were incubated with the antibody overnight at 4°C. Nuclear DNA was labeled in blue with DAPI. The secondary antibody was FITC-conjugated AffiniPure Goat Anti-Mouse IgG (H+L).



Immunofluorescence staining of U937 cells with CSB-MA019049A0m at 1:250, counter-stained with DAPI. 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 histogram showing Jurkat cells stained with CSB-MA019049A0m (red line) at 1:500. The cells were incubated in 10% normal goat serum to block non-specific protein-protein interactions followed by the antibody (1μg/1*10^{6}cells) 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 IgG2b (1μg/1*10^{6}cells) used under the same conditions. Acquisition of >10,000 events was performed.



Overlay histogram showing Raji cells stained with CSB-MA019049A0m (red line) at 1:500. The cells were incubated in 10% normal goat serum to block non-specific protein-protein interactions followed by the antibody (1μg/1*10^{6}cells) 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 IgG2b (1μg/1*10^{6}cells) used under the same conditions. Acquisition of >10,000 events was performed.