

Anti-CD45 Mouse mAb

Purified Mouse Monoclonal Antibody

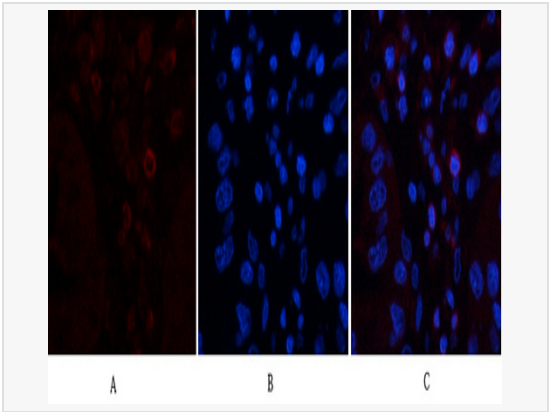
Catalog # M013416

Product Information

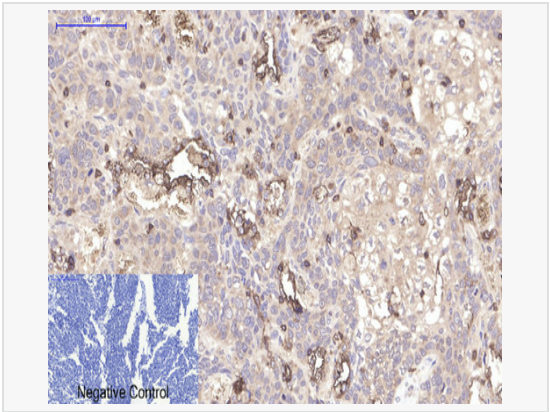
Application	WB, IHC-F/IF (Tissue-F), IHC-P/IF (Tissue-P), ICC/IF (Cell), ELISA
Reactivity	Human
Dilution	WB 1:500~1:1,000; IHC-P 1:50~1:100; IF 1:50~1:200
Host	Mouse
Clonality	Monoclonal
Clone No.	73K93K13
Isotype	IgG1
Label	Unconjugated
Immunogen	Synthetic Peptide of CD45
Format	Buffer System: Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide, pH 7.3. Purification: Affinity Purified.
Storage	Shipped on wet ice. Store at -20°C. Stable for 24 months from date of receipt. Aliquoting is unnecessary for -20°C storage.
Precautions	Anti-CD45 antibody [73K93K13] is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

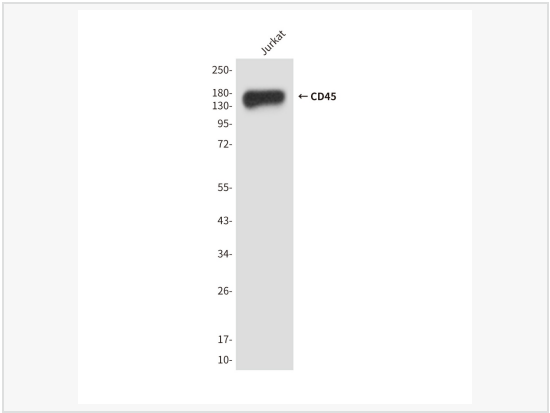
Synonyms	GP180, L CA, CD45 antigen.
Calculated MW	Calculated MW: 145 kDa; Observed MW: 145 kDa
Uniprot ID	P06800
Gene ID	19264
Background	Protein tyrosine-protein phosphatase required for T-cell activation through the antigen receptor. Acts as a positive regulator of T-cell coactivation upon binding to DPP4. The first PTPase domain has enzymatic activity, while the second one seems to affect the substrate specificity of the first one. Upon T-cell activation, recruits and dephosphorylates SKAP1 and FYN . Dephosphorylates LYN, and thereby modulates LYN activity.



Immunofluorescence analysis of CD45 in Human livercancer tissue using CD45 antibody [73K93K13] (red) ,and DAPI (blue) .



Immunohistochemical analysis of paraffin-embedded Human tonsils using CD45 antibody [73K93K13]. High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval. Negative control was used by secondary antibody only.



Western blot analysis of CD45 in Jurkat lysates using CD45 antibody [73K93K13].