

Product Name: CD45 (8C1) Mouse Monoclonal Antibody
Catalog #: AMM03711

Summary

Production Name	CD45 (8C1) Mouse Monoclonal Antibody
Description	Primary antibody
Host	Mouse
Application	WB,IHC-F,IHC-P,ICC/IF
Reactivity	Human

Performance

Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG1
Clonality	Monoclonal Antibody
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide, pH 7.3.
Purification	Affinity Purified

Immunogen

Gene Name	Ptpnc
Alternative Names	GP180; L CA; CD45 antigen
Gene ID	19264.0
SwissProt ID	P06800

Application

Dilution Ratio	WB: 1/500-1/1000 IHC: 1/50-1/100 IF: 1/50-1/200
Molecular Weight	Calculated MW: 145 kDa; Observed MW: 145 kDa

Background

Protein tyrosine-protein phosphatase required for T-cell activation through the antigen receptor. Acts as a positive

Product Name: CD45 (8C1) Mouse Monoclonal Antibody
Catalog #: AMM03711

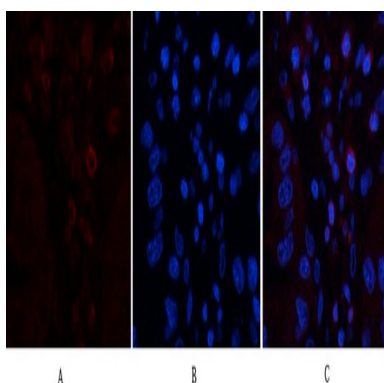


regulator of T-cell coactivation upon binding to DPP4. The first PTPase domain has enzymatic activity, while the second one seems to affect the substrate specificity of the first one. Upon T-cell activation, recruits and dephosphorylates SKAP1 and FYN . Dephosphorylates LYN, and thereby modulates LYN activity.

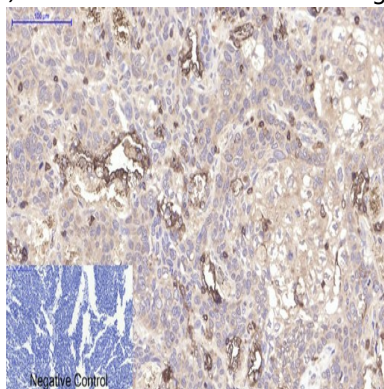
Research Area

Immunology

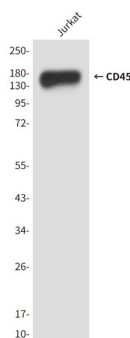
Image Data



Immunofluorescence analysis of CD45 (8C1) in Human livercancer tissue using CD45 (8C1) antibody(red),and DAPI (blue).



Immunohistochemical analysis of paraffin-embedded Human tonsils using CD45 (8C1) antibody.High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.Negative control was used by secondary antibody only.





Product Name: CD45 (8C1) Mouse Monoclonal Antibody
Catalog #: AMM03711

Western blot analysis of CD45 (8C1) in Jurkat lysates using CD45 (8C1) antibody.

Note

For research use only.