

CD45 (8C1) MOUSE MAB

Cat.#: N261211

Product Name: Anti-CD45 (8C1) Mouse Monoclonal Antibody

Synonyms: GPI180; L CA; CD45 antigen

UNIPROT ID: P06800

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.

Immunogen: Synthetic Peptide of CD45

Applications: WB,IHC-F,IHC-P,ICC/IF

Recommended Dilutions: WB: 1/500-1/1000 IHC: 1/50-1/100 IF: 1/50-1/200

Host Species: Mouse

Clonality: Mouse Monoclonal

Clone ID: 8C1-9B8-2H1

MW: Calculated MW: 145 kDa; Observed MW: 145 kDa

Isotype: IgG1

Purification: Affinity Purified

Species Reactivity: Human

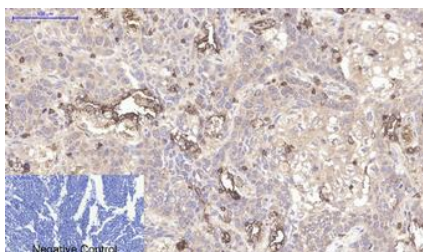
Conjugation: Unconjugated

Modification: Unmodified

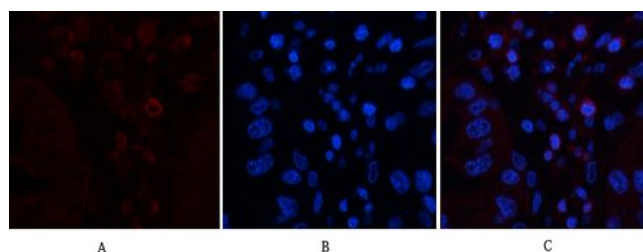
Constituents: PBS (without Mg²⁺ and Ca²⁺), pH 7.3 containing 50% glycerol, 0.5% BSA and 0.02% sodium azide

Research Areas: Neuroscience Microglia

Storage & Shipping: Store at -20°C. Avoid repeated freezing and thawing



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.



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



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