

Product Name: CD45 Rabbit Monoclonal Antibody

Catalog #: AMRe21400

For research use only.

Summary

Description Recombinant rabbit monoclonal antibody

Host Rabbit

Application WB,IHC,ICC/IF,ELISA,IP

Reactivity Human

ConjugationUnconjugatedModificationUnmodifiedIsotypeIgG,KappaClonalityMonoclonal

Form Liquid

Concentration 0.3mg/ml. The concentration of this product may be batch-dependent.

Storage Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.

Shipping Ice bags

Buffer PBS, 50% glycerol, 0.05% Proclin 300, 0.05% protective protein

Purification Protein A

Application

WB 1:1000-1:5000,IHC 1:1000-1:10000,ICC/IF 1:200-1:1000,ELISA 1:5000-1:20000,IP 1:50-

Dilution Ratio

1:200

Molecular Weight Calculated MW:147kD;Observed MW:240-200kD

Antigen Information

Gene Name PTPRC

B220;CD 45;CD45;CD45 antigen;CD45R;GP180;L-CA;LCA;Leukocyte common antigen;loc;Ly-

5;LY5;Ly5, homolog of;Lyt-

4;OTTHUMP00000033813;OTTHUMP00000033816;OTTHUMP00000033817;OTTHUMP0000

Alternative Names 0038574; Protein tyrosine phosphatase receptor type c polypeptide; Protein tyrosine

phosphatase, receptor type C;protein tyrosine phosphatase, receptor type, C;Protein tyrosine phosphatase, receptor type, c polypeptide;Ptprc;PTPRC_HUMAN;Receptor-type

tyrosine-protein phosphatase C;T200;T200 glycoprotein;T200 leukocyte common antigen

Gene ID 5788.0

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SwissProt ID P08575

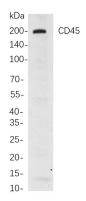
Immunogen A synthetic peptide of human CD45

Background

Cell localization:Membrane.The protein encoded by this gene is a member of the protein tyrosine phosphatase (PTP) family. PTPs are known to be signaling molecules that regulate a variety of cellular processes including cell growth, differentiation, mitosis, and oncogenic transformation. This PTP contains an extracellular domain, a single transmembrane segment and two tandem intracytoplasmic catalytic domains, and thus is classified as a receptor type PTP. This PTP has been shown to be an essential regulator of T- and B-cell antigen receptor signaling. It functions through either direct interaction with components of the antigen receptor complexes, or by activating various Src family kinases required for the antigen receptor signaling. This PTP also suppresses JAK kinases, and thus functions as a regulator of cytokine receptor signaling. Alternatively spliced transcripts variants of this gene, which enc

Research Area

Image Data



Western blot analysis of lysates from Jurkat

cells, using CD45 Rabbit mAb. The HRP-conjugated Goat anti-Rabbit IgG antibody was used to detect the antibody.

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