

Human CD45RO Rabbit pAb

Catalog No.: A24838

Basic Information

Observed MW

Refer to figures

Calculated MW

130kDa/147kDa

Category

Primary antibody

Applications

IF/ICC

Cross-Reactivity

Rat

Background

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 encode distinct isoforms, have been reported.

Recommended Dilutions

IF/ICC 1:50 - 1:200

Immunogen Information

Gene ID

5788

Swiss Prot

P08575

Immunogen

A synthetic peptide corresponding to a sequence within amino acids 27-120 of human CD45RO(NP_563578.2).

Synonyms

PTPRC; B220; CD45; CD45R; GP180; L-CA; LCA; LY5; T200; receptor-type tyrosine-protein phosphatase C; Human CD45RO

Contact

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Product Information

Source

Rabbit

Isotype

IgG

Purification

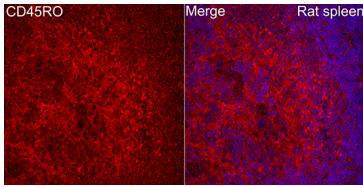
Affinity purification

Storage

Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.05% proclin300,50% glycerol,pH7.3.

Validation Data



Immunofluorescence analysis of paraffin-embedded Rat spleen using Human CD45RO Rabbit pAb(A24838) at a dilution of 1:25 (40x lens). Secondary antibody: Cy3 Goat Anti-Rabbit IgG (H+L)(AS007) at 1:500 dilution. Blue: DAPI for nuclear staining. Perform high pressure antigen retrieval with 0.01 M citrate buffer (pH 6.0) prior to IF staining.