

# Human CD45RA Rabbit pAb

**Catalog No.: A24839**

## Basic Information

**Observed MW**

Refer to figures

**Calculated MW**

130kDa/147kDa

**Category**

Primary antibody

**Applications**

IF/ICC

**Cross-Reactivity**

Human

## 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 10-110 of human CD45RA(P08575-8).

**Synonyms**

PTPRC; B220; CD45; CD45R; GP180; L-CA; LCA; LY5; T200; receptor-type tyrosine-protein phosphatase C; Human CD45RA

## Contact

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## Product Information

**Source**

Rabbit

**Isotype**

IgG

**Purification**

Affinity purification

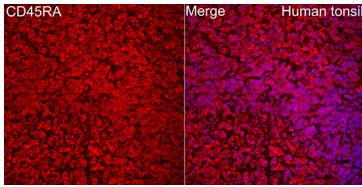
**Storage**

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

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

## Validation Data

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Immunofluorescence analysis of paraffin-embedded human tonsil using Human CD45RA Rabbit pAb (A24839) at dilution of 1:50 (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 10 mM citrate buffer pH 6.0 before commencing with IF staining protocol.