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# **Recombinant CD45 Monoclonal Antibody**

catalog number: AN300907L

Note: Centrifuge before opening to ensure complete recovery of vial contents.

### Description

Reactivity Human

**Immunogen** Recombinant Human CD45 protein

Host Rabbit Isotype IgG,ĸ Clone B854 **Purification** Protein A

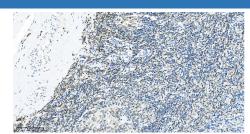
Buffer PBS, 50% glycerol, 0.05% Proclin 300, 0.05% protein protectant.

#### **Applications Recommended Dilution**

1:1000-1:10000 **IHC** 1:1000-1:5000 WB

### Data





at dilution of 1:1000 dilution. Lane A: Jurkat cells.

Western Blot with Recombinant CD45 Monoclonal Antibody Immunohistochemistry of paraffin-embedded human tonsils using Recombinant CD45 Monoclonal Antibody at dilution of 1:200.

Observed-MW:240-200 kDa Calculated-MW:147 kDa

**Preparation & Storage** 

Storage Store at -20°C Valid for 12 months. Avoid freeze / thaw cycles.

**Shipping** Ice bag

## **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.

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Toll-free: 1-888-852-8623 Fax: 1-832-243-6017 Tel: 1-832-243-6086 Web: www.elabscience.com Email: techsupport@elabscience.com Rev. V1.1