

Anti-human CD45RA Antibody (4D553)

Product Details

Ig Type:	Mouse IgG1, k
Reactivity:	Human
Molecular Weight:	Actual: 205-220 kDa.
Clone:	4D553
Purification:	Protein G purified

Applications

Blank control: Jurkat.
Primary Antibody (green line): Mouse Anti-human CD45RA antibody (TMAB-07410)
Dilution: 1 µg/Test;
Secondary Antibody (white blue line) : Goat anti-mouse IgG-FITC
Dilution: 0.5 µg/Test.

Verified Activity: Isotype control (orange line): Normal Rabbit IgG
Protocol

The cells were incubated in 5% BSA to block non-specific protein-protein interactions for 30 min at room temperature. Cells stained with Primary Antibody for 30 min at room temperature. The secondary antibody used for 40 min at room temperature. Acquisition of 20,000 events was performed.

Application: FCM

Recommended FCM: 1µg/Test

Properties

Stability & Storage: Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.

Shipping: Shipping with blue ice.

Antigen Details

Immunogen: KLH conjugated synthetic peptide: human CD45RA

Antigen Species: Human

Gene ID: 5788

Uniprot ID: P08575

Research 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, mitotic cycle, and oncogenic transformation. This PTP contains an extracellular domain, a single transmembrane segment and two tandem intracytoplasmic catalytic domains, and thus belongs to receptor type PTP. This gene is specifically expressed in hematopoietic cells. 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

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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