

Anti-CD45 Antibody (3Y331)

Product Details

Ig Type: Mouse IgG1, k
Reactivity: Human
Molecular Weight: Theoretical: 143 kDa. Actual: 180-220 kDa.
Clone: 3Y331
Purification: Protein G purified

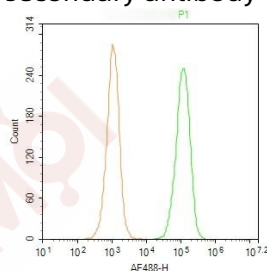
Applications

Blank control: Molt4. Primary Antibody (green line): Mouse Anti-CD45 antibody (TMAB-00372)
Dilution: 1 $\mu\text{g}/10^6$ cells;
Isotype Control Antibody (orange line): Mouse IgG.
Secondary Antibody: Goat anti-mouse IgG-AF488

Verified Activity: Dilution: 1 $\mu\text{g}/\text{test}$.

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.



Application: FCM
Recommended FCM: 1 $\mu\text{g}/\text{Test}$

Properties

Stability & Storage: Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping: Shipping with blue ice.

Antigen Details

Immunogen:	Recombinant Protein: human CD45
Antigen Species:	Human
Gene ID:	5788
Uniprot ID:	P08575
Synonyms:	PTPRC;CD45;LCA;LY5;L-CA;T200;CD45R;EC 3.1.3.48;GP180;B220
Biology Area:	Endothelial Cell Markers,CD,Regulatory T Cells,CD,Non-lineage,Microglia marker,Tyrosine Phosphatases,B Lymphocytic Lineage,NK Cell Lineage,T Lymphocytic Lineage,Dendritic Cell Lineage,Mast Cell Lineage,Monocytic Lineage,Neutrophil Lineage,Surface Molecules

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

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481