

Anti-CD45 Antibody (4V471)

Product Details

Ig Type:	Rabbit IgG
Reactivity:	Human
Conjugation:	Unconjugated
Clone:	4V471
Purification:	Affinity-chromatography

Applications

Application:	ELISA
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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:	A synthetic peptide
Antigen Species:	Human
Gene ID:	5788
Uniprot ID:	P08575
Synonyms:	GP180;CD45R;LCA;L-CA;B220;PTPRC;EC 3.1.3.48;CD45;T200;LY5
Biology Area:	Immunology

Research Background

Protein tyrosine-protein phosphatase required for T-cell activation through the antigen receptor. Acts as a positive regulator of T-cell coactivation upon binding to DPP4. The first PTPase domain has enzymatic activity, while the second one seems to affect the substrate specificity of the first one. Upon T-cell activation, recruits and dephosphorylates SKAP1 and FYN. Dephosphorylates LYN, and thereby modulates LYN activity. (Microbial infection) Acts as a receptor for human cytomegalovirus protein UL11 and mediates binding of UL11 to T-cells, leading to reduced induction of tyrosine phosphorylation of multiple signaling proteins upon T-cell receptor stimulation and impaired T-cell proliferation.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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