

**CD45-FC recombinant protein**

<b>Catalog No :</b>	YD3065
<b>Reactivity :</b>	Human;
<b>Purity :</b>	>90% as determined by SDS-PAGE
<b>Gene Name :</b>	PTPRC
<b>Protein Name :</b>	Receptor-type tyrosine-protein phosphatase C (EC 3.1.3.48) (Leukocyte common antigen) (L-CA) (T200) (CD antigen CD45)
<b>Sequence :</b>	Amino acid:26-577,with FC tag.
<b>Human Gene Id :</b>	5788
<b>Human Swiss Prot No :</b>	P08575
<b>Formulation :</b>	Phosphate-buffered solution
<b>Source :</b>	Mammalian cells
<b>Storage Stability :</b>	-15°C to -25°C/1 year(Avoid freeze / thaw cycles)
<b>Function :</b>	<p>Protein tyrosine-protein phosphatase required for T-cell activation through the antigen receptor (PubMed:35767951). 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 (By similarity).; (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.</p>
<b>Subcellular Location :</b>	Cell membrane ; Single-pass type I membrane protein . Membrane raft . Synapse . Note=Colocalized with DPP4 in membrane rafts. .
<b>Expression :</b>	Isoform 1: Detected in thymocytes. Isoform 2: Detected in thymocytes. Isoform 3: Detected in thymocytes. Isoform 4: Not detected in thymocytes. Isoform 5:

Detected in thymocytes. Isoform 6: Not detected in thymocytes. Isoform 7:  
Detected in thymocytes. Isoform 8: Not detected in thymocytes.

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