

CD45-FC recombinant protein

Catalog No :	YD3065
Reactivity :	Human;
Purity :	>90% as determined by SDS-PAGE
Gene Name :	PTPRC
Protein Name :	Receptor-type tyrosine-protein phosphatase C (EC 3.1.3.48) (Leukocyte common antigen) (L-CA) (T200) (CD antigen CD45)
Sequence :	Amino acid:26-577,with FC tag.
Human Gene Id :	5788
Human Swiss Prot No :	P08575
Formulation :	Phosphate-buffered solution
Source :	Mammalian cells
Storage Stability :	-15°C to -25°C/1 year(Avoid freeze / thaw cycles)
Function :	<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>
Subcellular Location :	Cell membrane ; Single-pass type I membrane protein . Membrane raft . Synapse . Note=Colocalized with DPP4 in membrane rafts. .
Expression :	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.

Products Images