

CD48-FC recombinant protein

Catalog No :	YD3089
Reactivity :	Human;
Purity :	>90% as determined by SDS-PAGE
Gene Name :	CD48
Protein Name :	CD48 antigen (B-lymphocyte activation marker BLAST-1) (BCM1 surface antigen) (Leukocyte antigen MEM-102) (SLAM family member 2) (SLAMF2) (Signaling lymphocytic activation molecule 2) (TCT.1) (CD antig
Sequence :	Amino acid:27-220,with FC tag.
Human Gene Id :	962
Human Swiss Prot No :	P09326
Formulation :	Phosphate-buffered solution
Source :	Mammalian cells
Storage Stability :	-15°C to -25°C/1 year(Avoid freeze / thaw cycles)
Function :	Glycosylphosphatidylinositol (GPI)-anchored cell surface glycoprotein that interacts via its N-terminal immunoglobulin domain with cell surface receptors including 2B4/CD244 or CD2 to regulate immune cell function and activation (PubMed:12007789, PubMed:27249817). Participates in T-cell signaling transduction by associating with CD2 and efficiently bringing the Src family protein kinase LCK and LAT to the TCR/CD3 complex (PubMed:19494291). In turn, promotes LCK phosphorylation and subsequent activation (PubMed:12007789). Induces the phosphorylation of the cytoplasmic immunoreceptortyrosine switch motifs (ITSMs) of CD244 initiating a series of signaling events that leads to the generation of the immunological synapse and the directed release of cytolytic granules containing perforin and granzymes by T-lymphocytes and NK-cells (PubMed:27249817, PubMed:9841922).
Subcellular Location :	Cell membrane ; Lipid-anchor, GPI-anchor . Secreted .

Expression : Widely expressed on all hematopoietic cells.

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