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Anti-CD48 Reference Antibody (Regeneron patent anti-CD48)

Recombinant Antibody
Catalog # APR10809

Product Information

Application	FC, Kinetics, Animal Model
Primary Accession	P09326
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG4sp
Calculated MW	27683

Additional Information

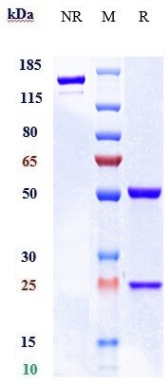
Target/Specificity	CD48
Endotoxin Conjugation	Unconjugated
Expression system	CHO Cell
Format	Purified monoclonal antibody supplied in PBS, pH6.0, without preservative.This antibody is purified through a protein A column.

Protein Information

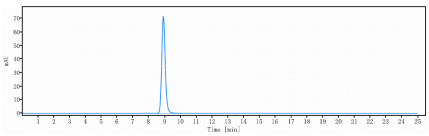
Name	CD48
Synonyms	BCM1, BLAST1
Function	Glycosylphosphatidylinositol (GPI)-anchored cell surface glycoprotein that interacts via its N-terminal immunoglobulin domain with cell surface receptors including CD244/2B4 or CD2 to regulate immune cell function and activation (PubMed:12007789, PubMed:19494291, PubMed:27249817, PubMed:9841922). 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).
Cellular Location	Cell membrane; Lipid-anchor, GPI-anchor. Membrane raft. Secreted

Tissue Location	Widely expressed on all hematopoietic cells.

Images



Anti-CD48 Reference Antibody (Regeneron patent anti-CD48) on SDS-PAGE under reducing (R) condition. The gel was stained with Coomassie Blue. The purity of the protein is greater than 90%



The purity of Anti-CD48 Reference Antibody (Regeneron patent anti-CD48)is more than 95% ,determined by SEC-HPLC.