

**Anti-CD48 Reference Antibody (Regeneron patent anti-CD48)
Recombinant Antibody
Catalog # APR10809****Specification**

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

Application	FC, E, FTA
Primary Accession	P09326
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG4sp
Calculated MW	150 KDa

Anti-CD48 Reference Antibody (Regeneron patent anti-CD48) - Additional Information**Target/Specificity**
CD48**Endotoxin**
< 0.001EU/ µg,determined by LAL method.**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.**Storage**
-80°C for 2 years under sterile conditions □ -20°C for 1 year under sterile conditions □ Avoid repeated freeze-thaw cycles.**Anti-CD48 Reference Antibody (Regeneron patent anti-CD48) - 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 2B4/CD244 or CD2 to regulate immune cell function and activation (PubMed:27249817, PubMed:12007789). 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 immunoreceptor tyrosine 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:9841922, PubMed:27249817).

Cellular Location

Cell membrane; Lipid-anchor, GPI-anchor. Secreted

Tissue Location

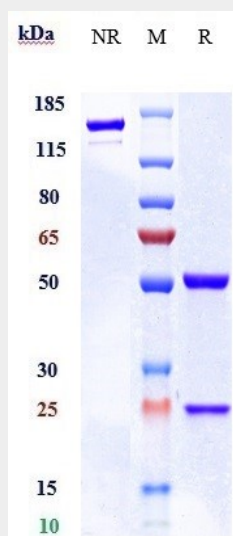
Widely expressed on all hematopoietic cells.

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

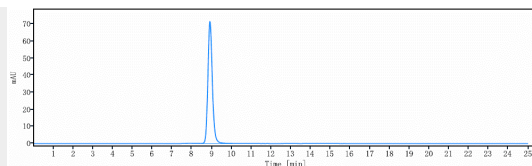
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

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