

Anti-CD84 Rabbit Monoclonal Antibody
Catalog # ABO16158**Specification**

Anti-CD84 Rabbit Monoclonal Antibody - Product Information

Application	WB, IHC
Primary Accession	Q9UIB8
Host	Rabbit
Isotype	IgG
Reactivity	Human
Clonality	Monoclonal
Format	Liquid

Description

Anti-CD84 Rabbit Monoclonal Antibody . Tested in WB, IHC applications. This antibody reacts with Human.

Anti-CD84 Rabbit Monoclonal Antibody - Additional Information

Gene ID 8832

Other Names

SLAM family member 5, Cell surface antigen MAX.3, Hly9-beta, Leukocyte differentiation antigen CD84, Signaling lymphocytic activation molecule 5, CD84, CD84, SLAMF5

Calculated MW

60-85 kDa KDa

Application Details

WB 1:500-1:2000
IHC 1:50-1:200

Contents

Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.

Immunogen

A synthesized peptide derived from human CD84

Purification

Affinity-chromatography

Storage

Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.

Anti-CD84 Rabbit Monoclonal Antibody - Protein Information

Name CD84

Synonyms SLAMF5

Function

Self-ligand receptor of the signaling lymphocytic activation molecule (SLAM) family. SLAM receptors triggered by homo- or heterotypic cell-cell interactions are modulating the activation and differentiation of a wide variety of immune cells and thus are involved in the regulation and interconnection of both innate and adaptive immune response. Activities are controlled by presence or absence of small cytoplasmic adapter proteins, SH2D1A/SAP and/or SH2D1B/EAT-2. Can mediate natural killer (NK) cell cytotoxicity dependent on SH2D1A and SH2D1B (By similarity). Increases proliferative responses of activated T-cells and SH2D1A/SAP does not seem to be required for this process. Homophilic interactions enhance interferon gamma/IFNG secretion in lymphocytes and induce platelet stimulation via a SH2D1A-dependent pathway. May serve as a marker for hematopoietic progenitor cells (PubMed: [11564780](http://www.uniprot.org/citations/11564780), PubMed: [12115647](http://www.uniprot.org/citations/12115647), PubMed: [12928397](http://www.uniprot.org/citations/12928397), PubMed: [12962726](http://www.uniprot.org/citations/12962726), PubMed: [16037392](http://www.uniprot.org/citations/16037392)) Required for a prolonged T-cell:B-cell contact, optimal T follicular helper function, and germinal center formation. In germinal centers involved in maintaining B-cell tolerance and in preventing autoimmunity (By similarity). In mast cells negatively regulates high affinity immunoglobulin epsilon receptor signaling; independent of SH2D1A and SH2D1B but implicating FES and PTPN6/SHP-1 (PubMed: [22068234](http://www.uniprot.org/citations/22068234)). In macrophages enhances LPS-induced MAPK phosphorylation and NF-kappaB activation and modulates LPS-induced cytokine secretion; involving ITSM 2 (By similarity). Positively regulates macroautophagy in primary dendritic cells via stabilization of IRF8; inhibits TRIM21-mediated proteasomal degradation of IRF8 (PubMed: [29434592](http://www.uniprot.org/citations/29434592)).

Cellular Location

Cell membrane; Single-pass type I membrane protein

Tissue Location

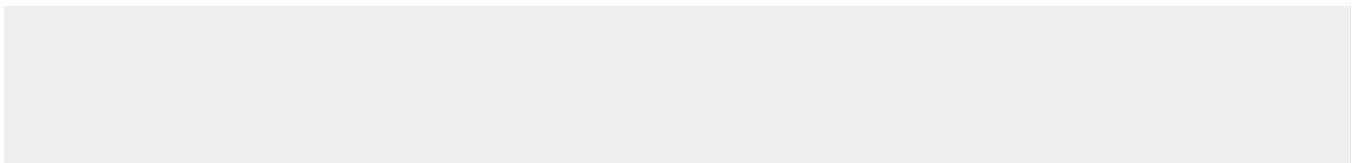
Predominantly expressed in hematopoietic tissues, such as lymph node, spleen and peripheral leukocytes. Expressed in macrophages, B-cells, monocytes, platelets, thymocytes, T-cells and dendritic cells. Highly expressed in memory T-cells. Expressed in mast cells.

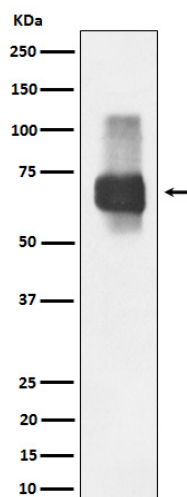
Anti-CD84 Rabbit Monoclonal Antibody - Protocols

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-CD84 Rabbit Monoclonal Antibody - Images





Western blot analysis of CD84 expression in Raji cell lysate.