

Anti-CD84 Antibody
Rabbit polyclonal antibody to CD84
Catalog # AP60794**Specification**

Anti-CD84 Antibody - Product Information

Application	WB
Primary Accession	O9UIB8
Other Accession	Q18PI6
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	38782

Anti-CD84 Antibody - Additional Information**Gene ID** 8832**Other Names**

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

Target/Specificity

Recognizes endogenous levels of CD84 protein.

Dilution

WB~~WB (1/500 - 1/1000)

Format

Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.09% (W/V) sodium azide.

Storage

Store at -20 °C.Stable for 12 months from date of receipt

Anti-CD84 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

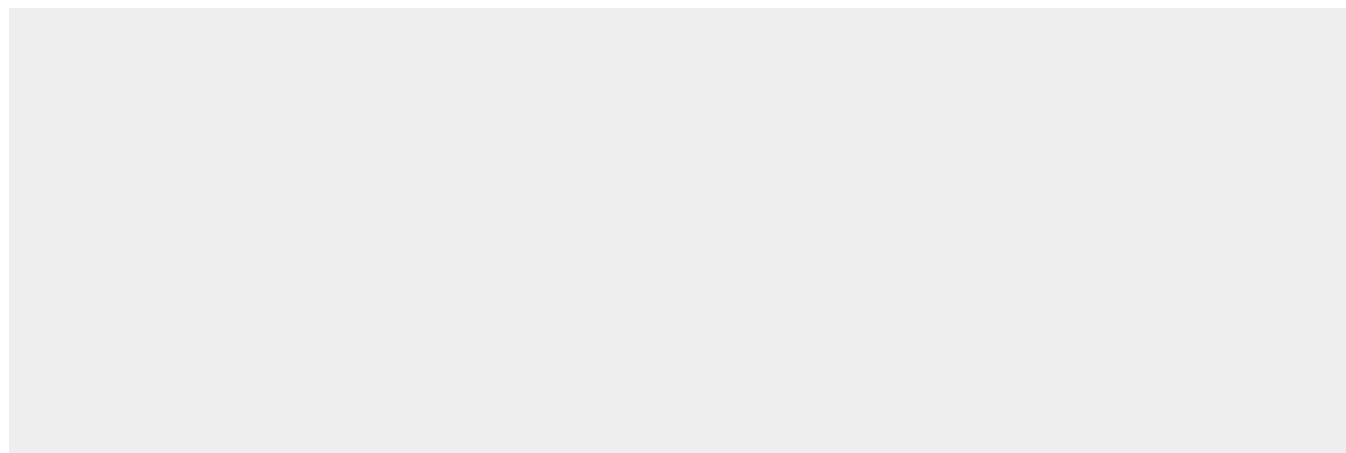
Predominantly expressed in hematopoietic tissues, such as lymph node, spleen and peripheral leukocytes. Expressed in macrophages, B-cells, monocytes, platelets, thymocytes, T-cells and dendritic cells. Highly expressed in memory T-cells. Expressed in mast cells.

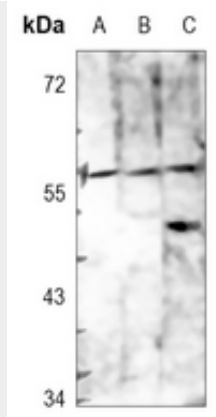
Anti-CD84 Antibody - Protocols

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 Antibody - Images





Western blot analysis of CD84 expression in HEK293T (A), A549 (B), mouse spleen (C) whole cell lysates.

Anti-CD84 Antibody - Background

KLH-conjugated synthetic peptide encompassing a sequence within the center region of human CD84. The exact sequence is proprietary.