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CD84 Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP14498b

Specification

CD84 Antibody (C-term) - Product Information

Application	**WB,E**
Primary Accession	Q9UIB8
Other Accession	NP_003865.1, NP_001171808.1
Reactivity	**Human**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**38782**
Antigen Region	**232-260**

CD84 Antibody (C-term) - Additional Information

Gene ID 8832

Other Names
SLAM family member 5, Cell surface antigen MAX3, Hly9-beta, Leukocyte differentiation antigen CD84, Signaling lymphocytic activation molecule 5, CD84, CD84, SLAMF5

Target/Specificity
This CD84 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 232-260 amino acids from the C-terminal region of human CD84.

Dilution
WB~~1:1000
E~~Use at an assay dependent concentration.

Format
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
CD84 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

CD84 Antibody (C-term) - 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 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, PubMed:12115647, PubMed:12928397, PubMed:12962726, PubMed: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). 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).

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.

CD84 Antibody (C-term) - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

CD84 Antibody (C-term) - Images

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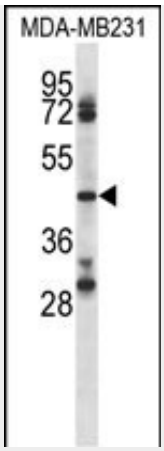

CD84 Antibody (C-term) (Cat. #AP14498b) western blot analysis in MDA-MB231 cell line lysates (35ug/lane).This demonstrates the CD84 antibody detected the CD84 protein (arrow).

CD84 Antibody (C-term) - Background

Members of the CD2 (see MIM 186990) subgroup of the Ig superfamily, such as CD84, have similar patterns of conserved disulfide bonds and function in adhesion interactions between T lymphocytes and accessory cells.

CD84 Antibody (C-term) - References

Oliver-Vila, I., et al. Mol. Immunol. 45(8):2138-2149(2008)
Yan, Q., et al. Proc. Natl. Acad. Sci. U.S.A. 104(25):10583-10588(2007)
Nanda, N., et al. Blood 106(9):3028-3034(2005)
Romero, X., et al. Tissue Antigens 64(2):132-144(2004)
Zaiss, M., et al. Exp. Hematol. 31(9):798-805(2003)