

Datasheet for ABIN2749034

anti-CD84 antibody**2** Images**4** Publications[Go to Product page](#)

Overview

Quantity:	0.1 mg
Target:	CD84
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This CD84 antibody is un-conjugated
Application:	Flow Cytometry (FACS), Immunoprecipitation (IP), Functional Studies (Func)

Product Details

Immunogen:	CD84-transfected 300.19 cell line
Clone:	CD84-1-21
Isotype:	IgG2a kappa
Specificity:	The mouse monoclonal antibody CD84.1.21 recognizes an extracellular epitope of CD84, a single chain cell surface glycoprotein of 64-82 kDa, predominantly expressed B cells, monocytes, platelets and some T cells.
Cross-Reactivity (Details):	Human
Purification:	Purified by protein-A affinity chromatography.
Purity:	> 95 % (by SDS-PAGE)
Endotoxin Level:	Endotoxin level is less than 0.01 EU/µg of the protein, as determined by the LAL test.

Target Details

Target:	CD84
Alternative Name:	CD84 (CD84 Products)
Background:	<p>CD84 Molecule,CD84 is a highly glycosylated homophilic receptor of SLAM family. It is expressed on platelets and various types of leukocytes, especially following their activation. Ligation of CD84 leads to its phosphorylation on tyrosine residues within the cytoplasmic tail. These docking sites are recognized by downstream signaling molecules, such as phosphatase SHP-2 and adaptor protein SAP/SH2D1A. The function of CD84 has not been fully elucidated yet. Although predominantly activating receptor, its modulating activity was also demonstrated.,LY9B, SLAMF5</p>
Gene ID:	8832
UniProt:	Q9UIB8

Application Details

Application Notes:	<p>Functional application: Enhancement of CD3-induced IFN-gamma production.</p> <p>Flow cytometry: Recommended dilution: 1-4 µg/mL</p>
Restrictions:	For Research Use only

Handling

Concentration:	1 mg/mL
Buffer:	Phosphate buffered saline (PBS), pH 7.4
Preservative:	Azide free
Storage:	4 °C
Storage Comment:	Store at 2-8°C. Do not freeze.

Publications

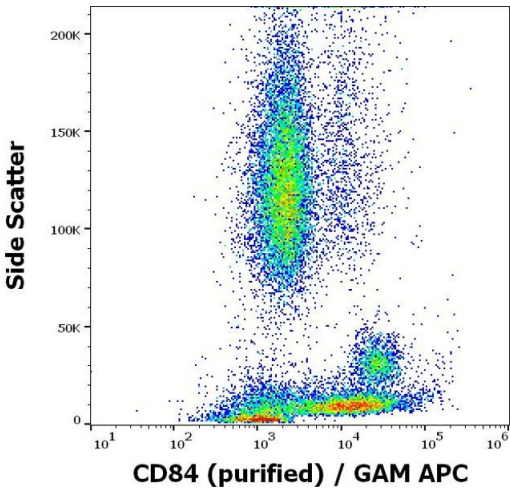
Product cited in:	<p>Romero, Zapater, Calvo, Kalko, de la Fuente, Tovar, Ockeloen, Pizcueta, Engel: "CD229 (Ly9) lymphocyte cell surface receptor interacts homophilically through its N-terminal domain and relocalizes to the immunological synapse." in: Journal of immunology (Baltimore, Md. : 1950), Vol. 174, Issue 11, pp. 7033-42, (2005) (PubMed).</p> <p>Morra, Lu, Poy, Martin, Sayos, Calpe, Gullo, Howie, Rietdijk, Thompson, Coyle, Denny, Yaffe,</p>
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Engel, Eck, Terhorst: "Structural basis for the interaction of the free SH2 domain EAT-2 with SLAM receptors in hematopoietic cells." in: **The EMBO journal**, Vol. 20, Issue 21, pp. 5840-52, (2001) ([PubMed](#)).

Martin, Romero, de la Fuente, Tovar, Zapater, Esplugues, Pizcueta, Bosch, Engel: "CD84 functions as a homophilic adhesion molecule and enhances IFN-gamma secretion: adhesion is mediated by Ig-like domain 1." in: **Journal of immunology (Baltimore, Md. : 1950)**, Vol. 167, Issue 7, pp. 3668-76, (2001) ([PubMed](#)).

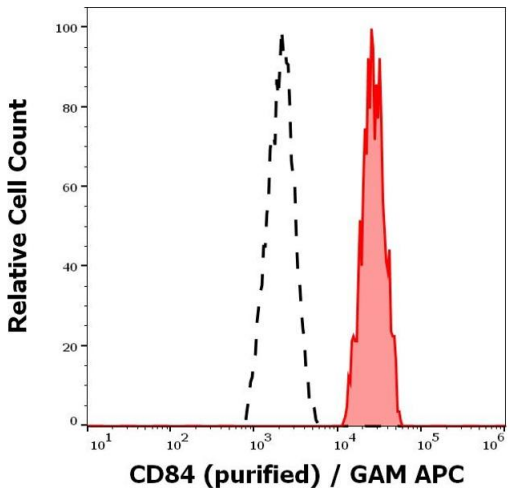
Sayós, Martín, Chen, Simarro, Howie, Morra, Engel, Terhorst: "Cell surface receptors Ly-9 and CD84 recruit the X-linked lymphoproliferative disease gene product SAP." in: **Blood**, Vol. 97, Issue 12, pp. 3867-74, (2001) ([PubMed](#)).

Images



Flow Cytometry

Image 1. Flow cytometry surface staining pattern of human peripheral whole blood stained using anti-human CD84 (84.1.21) purified antibody (concentration in sample 6 µg/mL, GAM APC).



Flow Cytometry

Image 2. Separation of human monocytes (red-filled) from neutrophil granulocytes (black-dashed) in flow cytometry analysis (surface staining) of peripheral whole blood stained using anti-human CD84 (84.1.21) purified antibody (concentration in sample 6 µg/mL, GAM APC).