

anti-Human CD85g Antibody | anti-CD85g antibody

Anti-Hu CD85g FITC

CATALOG # AAA129227	REACTIVITY Human	APPLICATIONS Flow Cytometry, Functional Assay
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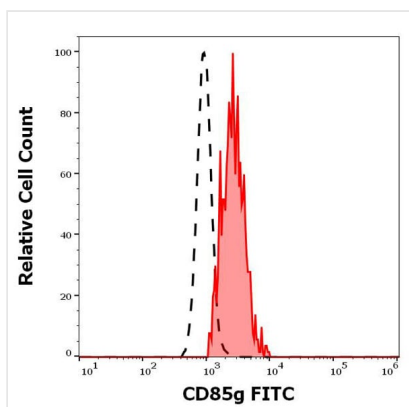
PRODUCT SYNONYMS

CD85g; Anti-Hu CD85g FITC; leukocyte immunoglobulin like receptor A4; ILT7; LILRA4; anti-CD85g antibody

PRODUCT SPECIFICATIONS

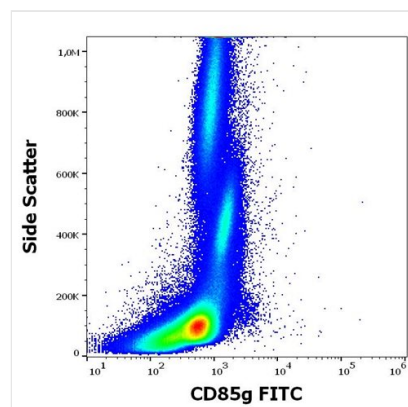
Reactivity	Human
Isotype	Mouse IgG1 kappa
Clone Number	17G10.2
Specificity	The mouse monoclonal antibody 17G10.2 recognizes an extracellular epitope of CD85g/ILT7, a member of leukocyte immunoglobulin-like receptor family expressed on plasmacytoid dendritic cells, but not on myeloid dendritic cells and other peripheral blood leukocytes.
Form/Format	FITC Purified antibody is conjugated with fluorescein isothiocyanate (FITC) under optimum conditions and unconjugated antibody and free fluorochrome are removed by size-exclusion chromatography. Stabilizing phosphate buffered saline (PBS), pH 7.4, 1
Applicable Applications for anti-CD85g antibody	FCM/FACS (Flow Cytometry)
Preparation and Storage	Store at 2-8 degree C. Protect from prolonged exposure to light. Do not freeze.

IMAGES



FCM/FACS (Flow Cytometry)

Separation of human CD123 positive CD85g positive leukocytes (red-filled) from neutrophil granulocytes (black-dashed) in flow cytometry analysis (surface staining) of human peripheral whole blood stained using anti-human CD85g (17G10.2) FITC antibody (4 ?l reagent / 100 ?l of peripheral whole blood).



FCM/FACS (Flow Cytometry)

Flow cytometry surface staining pattern of human peripheral whole blood stained using anti-human CD85g (17G10.2) FITC antibody (4 ?l reagent / 100 ?l of peripheral whole blood).

ADDITIONAL INFORMATION

Related Product Information for anti-CD85g antibody	CD85g/ILT7 (immunoglobulin-like transcript 7) is a cell surface protein that is expressed on plasmacytoid dendritic cells (PDCs) and modulates the function of these cells in the immune response, such as the TLR-induced interferon production. It associates with gamma subunit of the high-affinity IgE receptor to form a receptor complex which transduces the signal through ITAM-associated downstream molecules. Expression of CD85g is downregulated by interleukin 3.
References	*Cao W, Rosen DB, Ito T, Bover L, Bao M, Watanabe G, Yao Z, Zhang L, Lanier LL, Liu YJ: Plasmacytoid dendritic cell-specific receptor ILT7-Fc epsilonRI gamma inhibits Toll-like receptor-induced interferon production. J Exp Med. 2006 Jun 12;203(6):1399-405., URL: <a "="" 23401591="" href="http://www.ncbi.nlm.nih.gov/pubmed/?term=cao+w+rosen+db+ito+t+bover+l,*Tavano B, Galao RP, Graham DR, Neil SJ, Aquino VN, Fuchs D, Boasso A: Ig-like transcript 7, but not bone marrow stromal cell antigen 2 (also known as HM1.24, tetherin, or CD317), modulates plasmacytoid dendritic cell function in primary human blood leukocytes. J Immunol. 2013 Mar 15;190(6):2622-30., URL: https://pubmed.ncbi.nlm.nih.gov/23401591/,*Tavano B, Boasso A: Effect of immunoglobulin-like transcript 7 cross-linking on plasmacytoid dendritic cells differentiation into antigen-presenting cells. PLoS One. 2014 Feb 19;9(2):e89414., URL: http://www.ncbi.nlm.nih.gov/pubmed/24586760,

NCBI AND UNIPROT INFORMATION

NCBI GI #	751130514
NCBI GeneID	23547
NCBI Accession #	NP_036408
NCBI GenBank Nucleotide #	NM_012276
UniProt Accession #	P59901; Q32MC4
Molecular Weight	47,806 Da
NCBI Official Full Name	leukocyte immunoglobulin-like receptor subfamily A member 4
NCBI Official Synonym Full Names	leukocyte immunoglobulin-like receptor, subfamily A (with TM domain), member 4
NCBI Official Symbol	LILRA4
NCBI Official Synonym Symbols	ILT7; CD85g
NCBI Protein Information	leukocyte immunoglobulin-like receptor subfamily A member 4; CD85 antigen-like family member G; immunoglobulin-like transcript 7; leukocyte immunoglobulin-like receptor, subfamily A (without TM domain), member 4
UniProt Protein Name	Leukocyte immunoglobulin-like receptor subfamily A member 4
UniProt Gene Name	LILRA4
UniProt Synonym Gene Names	ILT7; ILT-7
UniProt Entry Name	LIRA4_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.