10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

Anti-CD85h Antibody

Catalog # AP61336

Product Information

Application	WB, IF/IC
Primary Accession	Q8N149
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	52966

Additional Information

Gene ID	11027
Other Names	ILT1; LIR7; Leukocyte immunoglobulin-like receptor subfamily A member 2; CD85 antigen-like family member H; Immunoglobulin-like transcript 1; ILT-1; Leukocyte immunoglobulin-like receptor 7; LIR-7; CD85h
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the center region of human CD85h. The exact sequence is proprietary.
Dilution	WB~~WB (1/500 - 1/1000), IF/IC (1/100 - 1/500) IF/IC~~N/A
Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

Protein Information

Name	LILRA2
Synonyms	ILT1, LIR7
Function	Part of the innate immune responses against microbial infection (PubMed:12529506, PubMed:27572839). Specifically recognizes a set of N-terminally truncated immunoglobulins that are produced via cleavage by proteases from a range of pathogenic bacteria and fungi, including L.pneumophila, M.hyorhinis, S.pneumoniae, S.aureus and C.albicans (PubMed:27572839). Recognizes epitopes that are in part in the variable region of the immunoglobulin light chains, but requires also the constant region for signaling (PubMed:27572839). Binds to a subset of cleaved IgM, IgG3 and IgG4 molecules, but does not bind cleaved IgA1 (PubMed:27572839). Binding of N-terminally truncated immunoglobulins mediates activation of neutrophils (PubMed:27572839). In monocytes, activation leads to the release of CSF2, CF3, IL6, CXCL8 and CCL3 and

down-regulates responses to bacterial lipopolysaccharide (LPS), possibly via down-regulation of TLR4 expression and reduced signaling via TLR4 (PubMed:22479404). In eosinophils, activation by ligand binding leads to the release of RNASE2, IL4 and leukotriene C4 (PubMed:12529506). Does not bind class I MHC antigens (PubMed:19230061).

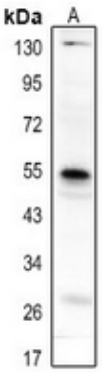
Cellular Location

Cell membrane; Single-pass type I membrane protein

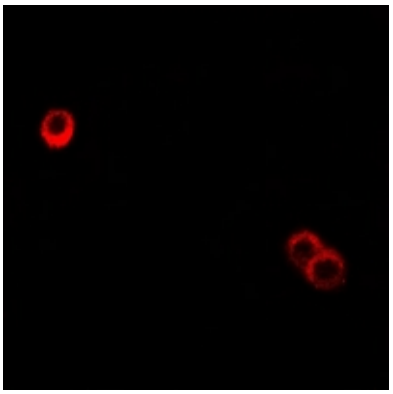
Tissue Location

Detected on the surface of all peripheral blood monocytes, neutrophils, basophils and eosinophils (at protein level) (PubMed:12529506, PubMed:22479404). Expression levels are very low or not detectable on monocytes, T-cells, B-cells, dendritic cells and natural killer (NK) cells (PubMed:9548455)

Images



Western blot analysis of CD85h expression in SHSY5Y (A) whole cell lysates. (Predicted band size: 52 kD; Observed band size: 53 kD)



Immunofluorescent analysis of CD85h staining in HuvEc cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a hidified chamber. Cells were washed with PBST and incubated with a Alexa Fluor 594-conjugated secondary antibody (red) in PBS at room temperature in the dark.

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