

**Anti-CD85h Antibody**  
**Rabbit polyclonal antibody to CD85h**  
**Catalog # AP61336****Specification**

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**Anti-CD85h Antibody - Product Information**

Application	WB, IF/IC
Primary Accession	<a href="#">Q8N149</a>
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	52966

**Anti-CD85h Antibody - 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**

Recognizes endogenous levels of CD85h protein.

**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 0.09% (W/V) sodium azide.

**Storage**

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

**Anti-CD85h Antibody - Protein Information****Name** LILRA2**Synonyms** ILT1, LIR7**Function**

Part of the innate immune responses against microbial infection (PubMed:<a href="http://www.uniprot.org/citations/12529506" target="\_blank">12529506</a>, PubMed:<a href="http://www.uniprot.org/citations/27572839" target="\_blank">27572839</a>). 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:<a href="http://www.uniprot.org/citations/27572839" target="\_blank">27572839</a>). Recognizes epitopes that are in part in the variable region of the immunoglobulin light chains, but requires also the constant region for signaling (PubMed:<a href="http://www.uniprot.org/citations/27572839" target="\_blank">27572839</a>). Binds to a subset of cleaved IgM, IgG3 and IgG4 molecules, but does not bind cleaved IgA1 (PubMed:<a href="http://www.uniprot.org/citations/27572839" target="\_blank">27572839</a>). Binding of N-terminally truncated immunoglobulins mediates activation of neutrophils (PubMed:<a href="http://www.uniprot.org/citations/27572839" target="\_blank">27572839</a>). 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:<a href="http://www.uniprot.org/citations/22479404" target="\_blank">22479404</a>). In eosinophils, activation by ligand binding leads to the release of RNASE2, IL4 and leukotriene C4 (PubMed:<a href="http://www.uniprot.org/citations/12529506" target="\_blank">12529506</a>). Does not bind class I MHC antigens (PubMed:<a href="http://www.uniprot.org/citations/19230061" target="\_blank">19230061</a>).

### Cellular Location

Cell membrane; Single-pass type I membrane protein

### Tissue Location

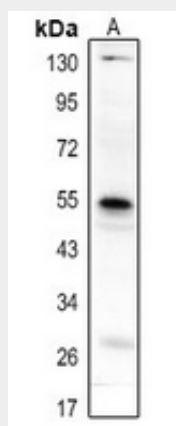
Detected on the surface of all peripheral blood monocytes, neutrophils, basophils and eosinophils (at protein level) (PubMed:12529506, PubMed:22479404). Expression levels are very low or not detectable on monocytes, T-cells, B-cells, dendritic cells and natural killer (NK) cells (PubMed:9548455)

## Anti-CD85h 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-CD85h Antibody - Images



Western blot analysis of CD85h expression in SHSY5Y (A) whole cell lysates.



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 humidified 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.

#### **Anti-CD85h Antibody - Background**

KLH-conjugated synthetic peptide encompassing a sequence within the center region of human CD85h. The exact sequence is proprietary.