

**Anti-CD85e Antibody**  
**Catalog # AP53958****Specification**

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**Anti-CD85e Antibody - Product Information**

Application	<b>WB, IH</b>
Primary Accession	<a href="#">Q8N149</a>
Other Accession	<a href="#">Q8N6C8</a>
Reactivity	<b>Human</b>
Host	<b>Rabbit</b>
Clonality	<b>Polyclonal</b>
Calculated MW	<b>52966</b>

**Anti-CD85e Antibody - Additional Information****Gene ID** 11027**Other Names**

LILRA2; 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; LILRA3; ILT6; LIR4; Leukocyte immunoglobulin-like receptor subfamily A member 3; CD85 antigen-like family member E; Immunoglobulin-like transcript 6; ILT-6; Leukocyte immunoglobulin-like receptor 4; LIR-4; Monocyte inhibitory receptor HM43/HM31; CD85e

**Target/Specificity**

Recognizes endogenous levels of CD85e protein.

**Dilution**

WB~~1/500 - 1/1000

IH~~1/50 - 1/100

**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-CD85e 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

[>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:<\[>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:<\\[>27572839</a>\\\). Binds to a subset of cleaved IgM, IgG3 and IgG4 molecules, but does not bind cleaved IgA1 \\\(PubMed:<\\\[>27572839</a>\\\\). Binding of N-terminally truncated immunoglobulins mediates activation of neutrophils \\\\(PubMed:<\\\\[>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:<\\\\\[>22479404</a>\\\\\\). In eosinophils, activation by ligand binding leads to the release of RNASE2, IL4 and leukotriene C4 \\\\\\(PubMed:<\\\\\\[>12529506</a>\\\\\\\). Does not bind class I MHC antigens \\\\\\\(PubMed:<\\\\\\\[>19230061</a>\\\\\\\\).\\\\\\\]\\\\\\\(http://www.uniprot.org/citations/19230061\\\\\\\)\\\\\\]\\\\\\(http://www.uniprot.org/citations/12529506\\\\\\)\\\\\]\\\\\(http://www.uniprot.org/citations/22479404\\\\\)\\\\]\\\\(http://www.uniprot.org/citations/27572839\\\\)\\\]\\\(http://www.uniprot.org/citations/27572839\\\)\\]\\(http://www.uniprot.org/citations/27572839\\)\]\(http://www.uniprot.org/citations/27572839\)](http://www.uniprot.org/citations/27572839)

#### **Cellular Location**

Cell membrane; Single-pass type I membrane protein

#### **Tissue Location**

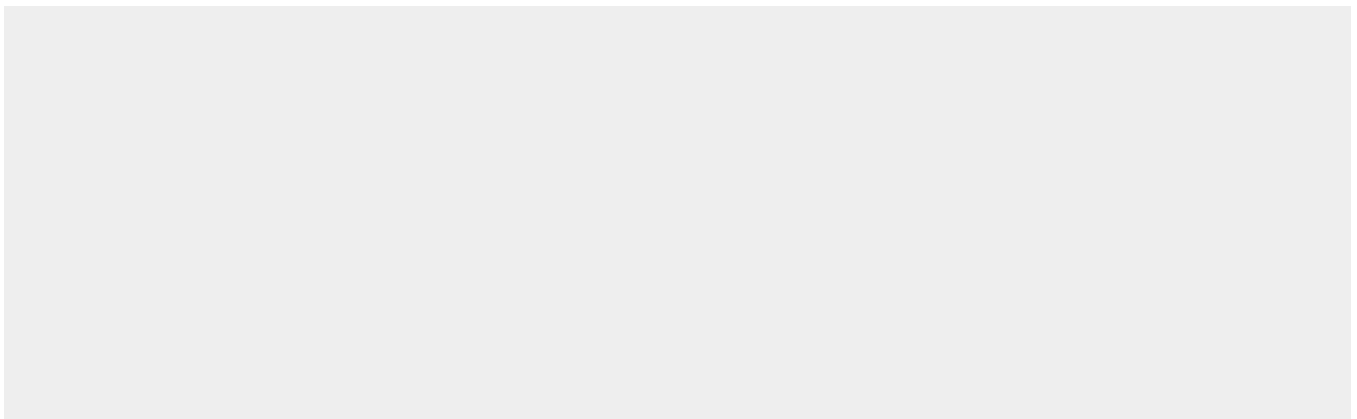
Detected on the surface of all peripheral blood monocytes, neutrophils, basophils and eosinophils (at protein level) (PubMed:12529506, PubMed:22479404). Expression levels are very low or not detectable on monocytes, T-cells, B-cells, dendritic cells and natural killer (NK) cells (PubMed:9548455)

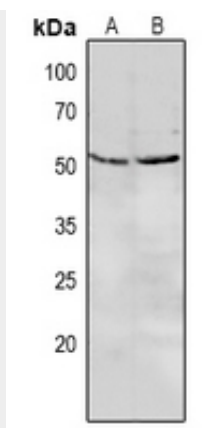
### **Anti-CD85e Antibody - Protocols**

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

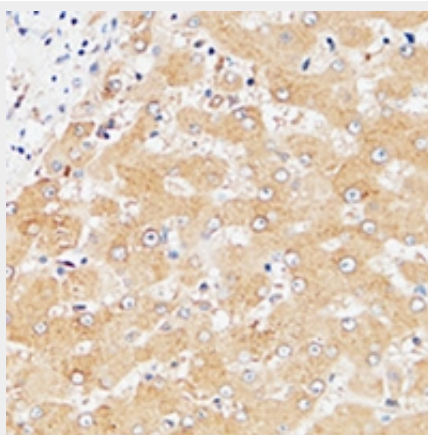
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

### **Anti-CD85e Antibody - Images**





Western blot analysis of CD85e expression in MCF7 (A), A549 (B) whole cell lysates.



Immunohistochemical analysis of CD85e staining in human liver formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

#### **Anti-CD85e Antibody - Background**

Rabbit polyclonal antibody to CD85e