

CD85d Polyclonal Antibody
Catalog # AP73778**Specification****CD85d Polyclonal Antibody - Product Information**

Application	WB
Primary Accession	Q8N423
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal

CD85d Polyclonal Antibody - Additional Information**Gene ID** 10288**Other Names**

LILRB2; ILT4; LIR2; MIR10; Leukocyte immunoglobulin-like receptor subfamily B member 2; LIR-2; Leukocyte immunoglobulin-like receptor 2; CD85 antigen-like family member D; Immunoglobulin-like transcript 4; ILT-4; Monocyte/macrophage immunoglobulin-like receptor 10; MIR-10; CD85d

Dilution

WB~~Western Blot: 1/500 - 1/2000. ELISA: 1/10000. Not yet tested in other applications.

Format

Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.

Storage Conditions

-20°C

CD85d Polyclonal Antibody - Protein Information**Name** LILRB2 ([HGNC:6606](#))**Function**

Receptor for class I MHC antigens. Recognizes a broad spectrum of HLA-A, HLA-B, HLA-C, HLA-G and HLA-F alleles (PubMed: [11169396](http://www.uniprot.org/citations/11169396), PubMed: [12853576](http://www.uniprot.org/citations/12853576), PubMed: [16455647](http://www.uniprot.org/citations/16455647), PubMed: [20448110](http://www.uniprot.org/citations/20448110), PubMed: [27859042](http://www.uniprot.org/citations/27859042)). Involved in the down-regulation of the immune response and the development of tolerance. Recognizes HLA-G in complex with B2M/beta-2 microglobulin and a nonamer self-peptide (peptide-bound HLA-G-B2M) triggering differentiation of type 1 regulatory T cells and myeloid-derived suppressor cells, both of which actively maintain maternal-fetal tolerance (PubMed: [16455647](http://www.uniprot.org/citations/16455647), PubMed: [20448110](http://www.uniprot.org/citations/20448110), PubMed: [27859042](http://www.uniprot.org/citations/27859042)).

target="_blank">27859042). Competes with CD8A for binding to class I MHC antigens. Inhibits FCGR1A-mediated phosphorylation of cellular proteins and mobilization of intracellular calcium ions (PubMed:11875462, PubMed:12853576, PubMed:9548455, PubMed:9842885).

Cellular Location

Cell membrane; Single-pass type I membrane protein

Tissue Location

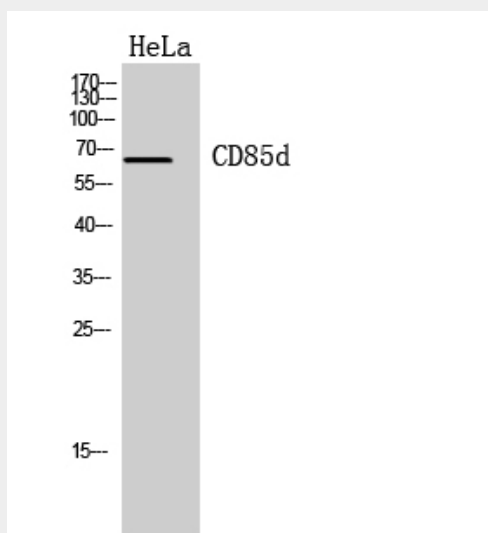
Expressed in monocytes and at lower levels in myeloid and plasmacytoid dendritic cells. Expressed in tolerogenic IL10-producing dendritic cells (PubMed:20448110). Expressed in myeloid- derived suppressor cells during pregnancy (PubMed:27859042). Detected at low levels in natural killer (NK) cells. Expressed in B cells

CD85d Polyclonal Antibody - Protocols

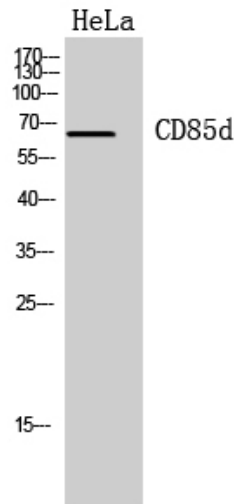
Provided below are standard protocols that you may find useful for product applications.

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

CD85d Polyclonal Antibody - Images



Western Blot analysis of Hela cells using CD85d Polyclonal Antibody.. Secondary antibody was diluted at 1:20000



Western Blot analysis of HeLa cells using CD85d Polyclonal Antibody.. Secondary antibody was diluted at 1:20000

CD85d Polyclonal Antibody - Background

Receptor for class I MHC antigens. Recognizes a broad spectrum of HLA-A, HLA-B, HLA-C, HLA-G and HLA-F alleles (PubMed:11169396, PubMed:12853576, PubMed:16455647, PubMed:20448110, PubMed:27859042). Involved in the down-regulation of the immune response and the development of tolerance. Recognizes HLA-G in complex with B2M/beta-2 microglobulin and a nonamer self-peptide (peptide-bound HLA-G-B2M) triggering differentiation of type 1 regulatory T cells and myeloid-derived suppressor cells, both of which actively maintain maternal-fetal tolerance (PubMed:20448110, PubMed:27859042, PubMed:16455647). Competes with CD8A for binding to class I MHC antigens. Inhibits FCGR1A-mediated phosphorylation of cellular proteins and mobilization of intracellular calcium ions (PubMed:11875462, PubMed:12853576, PubMed:9548455, PubMed:9842885).

CD85d Polyclonal Antibody - Citations

- [Tumor-derived ILT4 induces T cell senescence and suppresses tumor immunity](#)