

CD85d Polyclonal Antibody

Catalog # AP73778

Product Information

| | |
|-------------------|------------------------|
| Application | WB |
| Primary Accession | Q8N423 |
| Reactivity | Human |
| Host | Rabbit |
| Clonality | Polyclonal |
| Calculated MW | 65005 |

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 |

Protein Information

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|-------------------|--|
| 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 , 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: 16455647 , PubMed: 20448110 , PubMed: 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 |

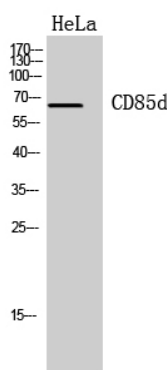
Tissue Location

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

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](#)).

Images



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

Citations

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

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