

# Anti-CD85j Antibody

Rabbit polyclonal antibody to CD85j  
Catalog # AP60155

## Product Information

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<b>Application</b>	WB
<b>Primary Accession</b>	<a href="#">Q8NHL6</a>
<b>Reactivity</b>	Human, Mouse, Rat
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>Calculated MW</b>	70819

## Additional Information

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<b>Gene ID</b>	10859
<b>Other Names</b>	ILT2; LIR1; MIR7; Leukocyte immunoglobulin-like receptor subfamily B member 1; LIR-1; Leukocyte immunoglobulin-like receptor 1; CD85 antigen-like family member J; Immunoglobulin-like transcript 2; ILT-2; Monocyte/macrophage immunoglobulin-like receptor 7; MIR-7; CD85j
<b>Target/Specificity</b>	KLH-conjugated synthetic peptide encompassing a sequence within the center region of human CD85j. The exact sequence is proprietary.
<b>Dilution</b>	WB~~WB (1/500 - 1/1000)
<b>Format</b>	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.09% (W/V) sodium azide.
<b>Storage</b>	Store at -20 °C. Stable for 12 months from date of receipt

## Protein Information

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<b>Name</b>	LILRB1 {ECO:0000303   PubMed:20600445, ECO:0000312   HGNC:HGNC:6605}
<b>Function</b>	Receptor for class I MHC antigens. Recognizes a broad spectrum of HLA-A, HLA-B, HLA-C, HLA-G and HLA-F alleles (PubMed: <a href="#">16455647</a> , PubMed: <a href="#">28636952</a> ). Receptor for H301/UL18, a human cytomegalovirus class I MHC homolog. Ligand binding results in inhibitory signals and down-regulation of the immune response. Engagement of LILRB1 present on natural killer cells or T-cells by class I MHC molecules protects the target cells from lysis. Interaction with HLA-B or HLA-E leads to inhibition of FCER1A signaling and serotonin release. Inhibits FCGR1A-mediated phosphorylation of cellular proteins and mobilization of intracellular calcium ions (PubMed: <a href="#">11907092</a> , PubMed: <a href="#">9285411</a> , PubMed: <a href="#">9842885</a> ). Recognizes HLA-G in complex with B2M/beta-2 microglobulin and a nonamer self-peptide (PubMed: <a href="#">16455647</a> ). Upon interaction with peptide-bound HLA-G-B2M

complex, triggers secretion of growth-promoting factors by decidual NK cells (PubMed:[19304799](#), PubMed:[29262349](#)). Reprograms B cells toward an immune suppressive phenotype (PubMed:[24453251](#)).

#### Cellular Location

Cell membrane; Single-pass type I membrane protein

#### Tissue Location

Expressed in B cells, monocytes and various dendritic cell (DC) subsets including myeloid, plasmacytoid and tolerogenic DCs (at protein level) (PubMed:[20448110](#), PubMed:[24453251](#), PubMed:[9285411](#), PubMed:[9842885](#)).  
Expressed in decidual macrophages (at protein level) (PubMed:[19304799](#)).  
Expressed in decidual NK cells (at protein level) (PubMed:[29262349](#)).

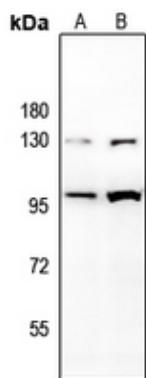
## Background

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KLH-conjugated synthetic peptide encompassing a sequence within the center region of human CD85j. The exact sequence is proprietary.

## Images

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Western blot analysis of CD85j expression in HuT78 (A), Myla2059 (B) whole cell lysates.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.