

## Ultra-LEAF™ Purified anti-human CD85g (ILT7) Antibody

<b>Catalog# / Size</b>	326413 / 100 µg 326414 / 1 mg
<b>Clone</b>	17G10.2
<b>Regulatory Status</b>	RUO
<b>Other Names</b>	CD85g, immunoglobulin-like transcript 7, LILRA4
<b>Isotype</b>	Mouse IgG1, κ
<b>Description</b>	ILT7 (immunoglobulin-like transcript 7) is a member of leukocyte immunoglobulin-like receptor (LIR or LILR) gene family, also known as CD85g and LILRA4. It contains four extracellular Ig domains. In association with FcεR1γ, ILT7 forms a receptor complex that transduces ITAM-mediated signals. ILT7 is specifically expressed on plasmacytoid dendritic cells (pDCs), but not on myeloid dendritic cells and other peripheral blood leukocytes. ILT7 negatively regulates the innate immune functions of human pDCs. Cross-linking 17G10.2 antibody is able to trigger ILT7 mediated signaling.

### Product Details

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<b>Verified Reactivity</b>	Human
<b>Antibody Type</b>	Monoclonal
<b>Host Species</b>	Mouse
<b>Formulation</b>	0.2 µm filtered in phosphate-buffered solution, pH 7.2, containing no preservative. Endotoxin level is < 0.01 EU/µg of the protein (< 0.001 ng/µg of the protein) as determined by the LAL test.
<b>Preparation</b>	The Ultra-LEAF™ (Low Endotoxin, Azide-Free) antibody was purified by affinity chromatography.
<b>Concentration</b>	The antibody is bottled at the concentration indicated on the vial, typically between 2 mg/mL and 3 mg/mL. Older lots may have also been bottled at 1 mg/mL. To obtain lot-specific concentration, please enter the lot number in our <a href="#">Concentration and Expiration Lookup</a> or <a href="#">Certificate of Analysis</a> online tools.
<b>Storage &amp; Handling</b>	The antibody solution should be stored undiluted between 2°C and 8°C. This Ultra-LEAF™ solution contains no preservative; handle under aseptic conditions.
<b>Application</b>	<a href="#">FC - Quality tested</a> <a href="#">FA - Reported in the literature, not verified in house</a>
<b>Recommended Usage</b>	Each lot of this antibody is quality control tested by <a href="#">immunofluorescent staining with flow cytometric analysis</a> . For flow cytometric staining, the suggested use of this reagent is ≤ 0.5 µg per million cells in 100 µL volume. It is recommended that the reagent be titrated for optimal performance for each application.
<b>Application Notes</b>	Additional reported (for the relevant formats) applications include: trigger ILT7 mediated signaling. The Ultra-LEAF™ purified antibody (Endotoxin < 0.01 EU/µg, Azide-Free, 0.2 µm filtered) is recommended for functional assays (Cat. No. 326413 and 326414).
<b>Application References</b>	1. Jensen MA, <i>et al.</i> 2013. <i>Ann Rheum Dis.</i> 72:596. <a href="#">PubMed</a> .
<b>RRID</b>	AB_2860854 (BioLegend Cat. No. 326413) AB_2860855 (BioLegend Cat. No. 326414)

### Antigen Details

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<b>Structure</b>	Associate with FcεR1γ leukocyte immunoglobulin-like receptor gene family
<b>Distribution</b>	Plasmacytoid dendritic cells

<b>Function</b>	Negatively regulates pDC mediated innate immune function
<b>Cell Type</b>	Dendritic cells
<b>Biology Area</b>	Immunology, Innate Immunity
<b>Molecular Family</b>	CD Molecules
<b>Antigen References</b>	1. Cao W, <i>et al.</i> 2006. <i>J. Exp. Med.</i> 203(6):1399. 2. Brown D, <i>et al.</i> 2004. <i>Tissue Antigen.</i> 64:215. 3. Rissoan MC, <i>et al.</i> 2002. <i>Blood</i> 100:3295.
<b>Gene ID</b>	<a href="#">23547</a>

## Related Protocols

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[Cell Surface Flow Cytometry Staining Protocol](#)

## Other Formats

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PE anti-human CD85g (ILT7), Alexa Fluor® 647 anti-human CD85g (ILT7), Ultra-LEAF™ Purified anti-human CD85g (ILT7), TotalSeq™-C0409 anti-human CD85g (ILT7), TotalSeq™-B0409 anti-human CD85g (ILT7)

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