

Product Data Sheet

LEAF™ Purified anti-human CD85g (ILT7)

Catalog # / Size: 326403 / 50 µg
326404 / 500 µg

Clone: 17G10.2

Isotype: Mouse IgG1, κ

Reactivity: Human

Preparation: The LEAF™ (Low Endotoxin, Azide-Free) antibody was purified by affinity chromatography.

Formulation: 0.2 µm filtered in phosphate-buffered solution, pH 7.2, containing no preservative. Endotoxin level is <0.1 EU/µg of the protein (<0.01 ng/µg of the protein) as determined by the LAL test.

Concentration: 1.0 mg/ml

Storage: The antibody solution should be stored undiluted at 4°C. This LEAF™ solution contains no preservative; handle under aseptic conditions.

Applications:

Applications: FC - *Quality tested*
FA - *Reported in the literature*

Recommended Usage: Each lot of this antibody is quality control tested by immunofluorescent staining with flow cytometric analysis. For immunofluorescent staining, the suggested use of this reagent is ≤ 0.5 µg per 10⁶ cells in 100 µl volume or 100 µl of whole blood. It is recommended that the reagent be titrated for optimal performance for each application.

Application Notes: Additional reported (for the relevant formats) applications include: trigger ILT7 mediated signaling. The LEAF™ Purified antibody (Endotoxin <0.1 EU/µg, Azide-Free, 0.2 µm filtered) is recommended for functional assays (Cat. No. 326404).

Description: 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.

Antigen References: 1. Cao W, *et al.* 2006. *J. Exp. Med.* 203(6):1399.
2. Brown D, *et al.* 2004. *Tissue Antigen.* 64:215.
3. Rissoan MC, *et al.* 2002. *Blood* 100:3295.

Related Products:

Product
APC Goat anti-mouse IgG (minimal x-reactivity)
LEAF™ Purified Mouse IgG1, κ Isotype Ctrl
PE Goat anti-mouse IgG (minimal x-reactivity)
Cell Staining Buffer

Clone
Poly4053
MOPC-21
Poly4053

Application
FC
FC, ICFC, WB, IP, ICC, IF, FA
FC
FC, ICC, ICFC



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