

Product Data Sheet

Purified anti-human CD85g (ILT7)

Catalog # / Size: 326402 / 100 µg

Clone: 17G10.2

Isotype: Mouse IgG1, κ

Reactivity: Human

Preparation: The antibody was purified by affinity chromatography.

Formulation: Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide.

Concentration: 0.5 mg/ml

Storage: The antibody solution should be stored undiluted at 4°C.

Applications:

Applications: FC - *Quality tested*

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 10^6 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).

Application References: 1. Jensen MA, *et al.* 2012. *Ann Rheum Dis.* PubMed.

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

Clone
MOPC-21
Poly4053
Poly4053

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



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