

Biotin anti-human CD85g (ILT7)

Catalog # / Size: 326406 / 100 µg

Clone: 17G10.2

Isotype: Mouse IgG1, κ

Reactivity: Human

Preparation: The antibody was purified by affinity chromatography, and conjugated with biotin under optimal conditions. The solution is free of unconjugated biotin.

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. **Do not freeze.**

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 ≤0.125 µg per million cells in 100 µl volume. It is recommended that the reagent be titrated for optimal performance for each application.

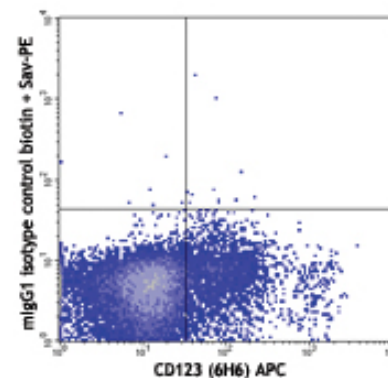
Application Notes: Additional reported (for the relevant formats) applications include: trigger ILT7 mediated signaling. The LEAF™ purified antibody (Endotoxin <0.1 EU/µg, Azide-Free, 0.2 µm filtered) is recommended for functional assays (Cat. No. 326404).

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.

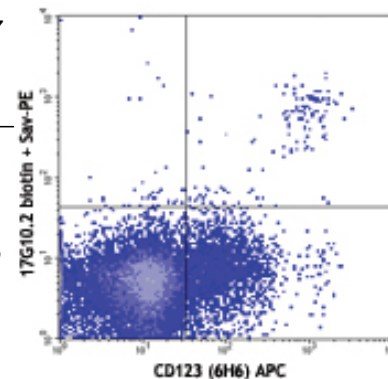
Antigen References:

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	Clone	Application
	Biotin Mouse IgG1, κ Isotype Ctrl	MOPC-21	FC, ICFC
	APC Streptavidin		FC, ICFC
	APC/Cy7 Streptavidin		FC, ICFC
	PE Streptavidin		FC, ICFC
	PE/Cy5 Streptavidin		FC, ICFC
	PE/Cy7 Streptavidin		FC, ICFC
	Cell Staining Buffer		FC, ICC, ICFC
	Human TruStain FcX™ (Fc Receptor Blocking Solution)		FC, ICC, ICFC



Human peripheral blood mononuclear cells stained with CD123 (6H6) APC and biotinylated mouse IgG1 isotype control, followed by Sav-PE (gated on lymphocyte population)



Human peripheral blood mononuclear cells stained with CD123 (6H6) APC and biotinylated 17G10.2, followed by Sav-PE (gated on lymphocyte population)



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