



1P-164-T025

Monoclonal Antibody to CD85g / ILT7 Phycoerythrin (PE) conjugated (25 tests)

Clone:	17G10.2
Isotype:	Mouse IgG1
Specificity:	The mouse monoclonal antibody 17G10.2 recognizes CD85g / ILT7, a member of leukocyte immunoglobulin-like receptor family expressed on plasmacytoid dendritic cells, but not on myeloid dendritic cells and other peripheral blood leukocytes.
Regulatory Status:	RUO
Species Reactivity:	Human
Preparation:	The purified antibody is conjugated with R-Phycoerythrin (PE) under optimum conditions. The conjugate is purified by size-exclusion chromatography and adjusted for direct use. No reconstitution is necessary.
Storage Buffer:	The reagent is provided in stabilizing phosphate buffered saline (PBS) solution containing 15mM sodium azide.
Storage / Stability:	Store in the dark at 2-8°C. Do not freeze. Avoid prolonged exposure to light. Do not use after expiration date stamped on vial label.
Usage:	The reagent is designed for Flow Cytometry analysis of human blood cells using 10 µl reagent / 100 µl of whole blood or 10 ⁶ cells in a suspension. The content of a vial (0.25 ml) is sufficient for 25 tests.
Expiration:	See vial label
Lot Number:	See vial label
Background:	CD85g / ILT7 (Immunoglobulin-like transcript 7) is a cell surface protein that is expressed on plasmacytoid dendritic cells (PDCs) and modulates the function of these cells in the immune response, such as the TLR-induced interferon production. It associates with gamma subunit of the high-affinity IgE receptor to form a receptor complex which transduces the signal through ITAM-associated downstream molecules. Expression of CD85g is downregulated by interleukin 3.
References:	*Tavano B, Galao RP, Graham DR, Neil SJ, Aquino VN, Fuchs D, Boasso A: Ig-like transcript 7, but not bone marrow stromal cell antigen 2 (also known as HM1.24, tetherin, or CD317), modulates plasmacytoid dendritic cell function in primary human blood leukocytes. <i>J Immunol.</i> 2013 Mar 15;190(6):2622-30. *Cao W, Rosen DB, Ito T, Bover L, Bao M, Watanabe G, Yao Z, Zhang L, Lanier LL, Liu YJ: Plasmacytoid dendritic cell-specific receptor ILT7-Fc epsilonRI gamma inhibits Toll-like receptor-induced interferon production. <i>J Exp Med.</i> 2006 Jun 12;203(6):1399-405. *Tavano B, Boasso A: Effect of immunoglobulin-like transcript 7 cross-linking on plasmacytoid dendritic cells differentiation into antigen-presenting cells. <i>PLoS One.</i> 2014 Feb 19;9(2):e89414.

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