



1P-165-T100

Monoclonal Antibody to CD165 Phycoerythrin (PE) conjugated (100 tests)

Clone:	SN2
Isotype:	Mouse IgG1
Specificity:	The mouse monoclonal antibody SN2, also known as SN2 N6-D11, recognizes CD165, an approximately 37-42 kDa transmembrane glycoprotein expressed mainly on leukemic T cells, double positive and double negative thymocytes (CD4-CD8-, CD4+CD8+), and platelets. HLDA VI: WS Code N-L099
Regulatory Status:	RUO
Immunogen:	CD165 purified from human Molt-4 cell line
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 (1 ml) is sufficient for 100 tests.
Expiration:	See vial label
Lot Number:	See vial label
Background:	CD165 is a poorly characterized transmembrane protein highly expressed on platelets and many leukemic T cell lines. At lower level it is expressed on a proportion of circulating T cells and monocytes, on thymic epithelium, fibroblasts, epidermal keratinocytes, pancreatic islet cells, and some neurons. It might have a role in adhesion between thymocytes and thymic epithelial cells and it can be used as a marker for tumor progression.
References:	*Seon BK, Negoro S, Barcos MP, Tebbi CK, Chervinsky D, Fukukawa T: Monoclonal antibody SN2 defining a human T cell leukemia-associated cell surface glycoprotein. J Immunol. 1984 Apr;132(4):2089-95. *Seon BK: Specific killing of human T-leukemia cells by immunotoxins prepared with ricin A chain and monoclonal anti-human T-cell leukemia antibodies. Cancer Res. 1984 Jan;44(1):259-64.

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