

Anti-Hu CD165 Purified Monoclonal Antibody

Catalog Number: M33909

About CD165

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.

Overview

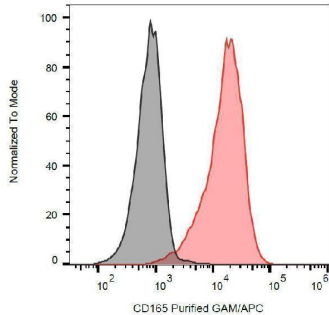
Product Name	Anti-Hu CD165 Purified Monoclonal Antibody
Reactive Species	Human
Description	Boster Bio Anti-Hu CD165 Purified Monoclonal Antibody (Catalog# M33909). Tested in Flow Cytometry, IP, WB, IHC-F, ICC application(s). This antibody reacts with Human.
Application	Flow Cytometry, IP, IHC-F, ICC, WB
Clonality	Monoclonal SN2
Formulation	Phosphate buffered saline (PBS), pH 7.4, 15 mM sodium azide
Storage Instructions	Store at 2-8°C. Do not freeze.
Host	Mouse
Uniprot ID	Q6UWZ7

Technical Details

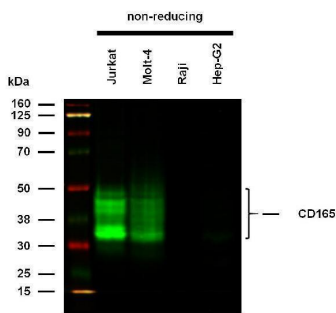
Immunogen	CD165 purified from human Molt-4 cell line. The mouse monoclonal antibody SN2, also known as SN2 N6-D11, recognizes an extracellular epitope of CD165, an approximately 37-42 kDa transmembrane glycoprotein expressed mainly on leukemic T cells, double positive and double negative thymocytes (CD4-CD8-, CD4+CD8+), and platelets.
Predicted Reactive Species	Primate
Cross Reactivity	Cross-reactivity with LARGE2 was not determined.
Isotype	Mouse IgG1 kappa
Form	Liquid
Concentration	1 mg/ml
Purification	Purified by protein-A affinity chromatography.
Suggested Dilutions	Immunohistochemistry (frozen sections): Application note: acetone fixation.

Flow cytometry: Recommended dilution: 1-4 $\mu\text{g/ml}$.
Western blotting: Recommended dilution: 1-2 $\mu\text{g/ml}$; non-reducing conditions.

Anti-Hu CD165 Purified Monoclonal Antibody (M33909) Images



Separation of Jurkat cells stained using anti-human CD165 (SN2) purified antibody (concentration in sample 0,6 µg/ml, GAM APC, red) from Jurkat cells unstained by primary antibody (GAM APC, black) in flow cytometry analysis (surface staining).



Anti-Hu CD165 Purified (clone SN2) works in WB application under non-reducing conditions. Western blotting analysis was performed on whole cell extracts (RIPA lysis buffer) of Jurkat, Molt-4, Raji, and Hep-G2 cell lines, mixed and heated (100°C, 5 min) with non-reducing SDS-loading buffer. Samples were resolved using 10% SDS-PAGE gel. Nitrocellulose membrane blot was probed with mouse IgG1 monoclonal antibody SN2 (1 µg/ml), followed by IRDye 800CW Goat-anti-Mouse IgG (green). Multiplex fluorescent Western blot detection was performed. CD165 molecules were detected at ~34-48 kDa in Jurkat and Molt-4 cell lines under non-reducing conditions.

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