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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	Dilute the sample so that the expected range of concentrations fall within the detection range of this



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		kit. If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples. Some PubMed article(s) citing the expression level of this target are as follows: Boster Bio's internal QC testing used: Immunohistochemistry (frozen sections): Application note: acetone fixation. Flow cytometry: Recommended dilution: 1-4 μg/ml. Western blotting: Recommended dilution: 1-2 ug/ml; non-reducing conditions.
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Anti-Hu CD165 Purified Monoclonal Antibody (M33909) Images



Anti-Hu CD165 Purified (M33909) 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 M33909 (1 μ g/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.



Separation of Jurkat cells stained using anti-human CD165 (M33909) purified antibody (concentration in sample 0,6 ug/ml, GAM APC, red) from Jurkat cells unstained by primary antibody (GAM APC, black) in flow cytometry analysis (surface staining).

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