

Anti-Hu CD209 Purified Monoclonal Antibody

Catalog Number: M01025-2

About CD209

CD209, also known as DC-SIGN (dendritic cell-specific ICAM-3-grabbing nonintegrin) is a transmembrane receptor expressed on the surface of dendritic cells and macrophages, which recognizes numerous pathogens ranging from parasites to viruses. Its N-terminal domain is transmembrane, whereas a tandem-repeat neck domain and the C terminal C-type lectin carbohydrate recognition domain have dual function as a pathogen recognition receptor and a cell adhesion receptor. The neck region is responsible for homo-oligomerization which allows the receptor to bind multivalent ligands with high avidity. A ligand of CD209 is also CD50 (ICAM-3).

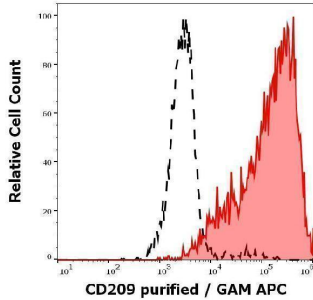
Overview

Product Name	Anti-Hu CD209 Purified Monoclonal Antibody
Reactive Species	Human
Description	Boster Bio Anti-Hu CD209 Purified Monoclonal Antibody (Catalog# M01025-2). Tested in Flow Cytometry, IHC, ICC application(s). This antibody reacts with Human.
Application	Flow Cytometry, IHC, ICC
Clonality	Monoclonal UW60.1
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	Q9NNX6

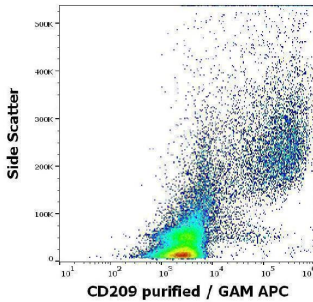
Technical Details

Immunogen	CD209-His-tagged fusion protein. The mouse monoclonal antibody UW60.1 recognizes an extracellular epitope of human CD209 (DC-SIGN), a 44 kDa transmembrane receptor, expressed on the surface of dendritic cells and macrophages.
Predicted Reactive Species	Primate
Isotype	Mouse IgG2a
Form	Liquid
Concentration	1 mg/ml
Purification	Purified by protein-A affinity chromatography.
Suggested Dilutions	Flow cytometry: 1-4 ug/ml.

Anti-Hu CD209 Purified Monoclonal Antibody (M01025-2) Images



Separation of human myeloid cells (red-filled) from lymphocytes (black-dashed) in flow cytometry analysis (surface staining) of human stimulated (GM-CSF+IL-4) peripheral blood mononuclear cells stained using anti-human CD209 (UW60.1) purified antibody (concentration in sample 0.6 µg/ml, GAM APC).



Flow cytometry surface staining pattern of human stimulated (GM-CSF+IL-4) peripheral blood mononuclear cells stained using anti-human CD209 (UW60.1) purified antibody (concentration in sample 0.6 µg/ml, GAM APC).

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