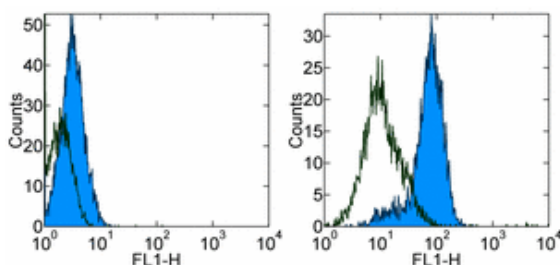


Anti-Human CD205 FITC

Catalog Number: 11-2059

Also Known As: DEC-205, DEC205, Ly75

RUO: For Research Use Only



Staining of normal human peripheral blood cells (left) or mature dendritic cells (right) with Mouse IgG2b κ Isotype Control FITC (cat. 11-4732) (open histogram) or 0.015 μg of Anti-Human CD205 FITC (filled histogram). Total viable cells were used for analysis.

Product Information

Contents: Anti-Human CD205 FITC

REF Catalog Number: 11-2059


Clone: MG38

Concentration: 0.5 mg/ml

Host/Isotype: Mouse IgG2b, κ


HLDA Workshop: N/A

Formulation: aqueous buffer, 0.09% sodium azide, may contain carrier protein/stabilizer

 Temperature Limitation: Store at 2-8°C. Do not freeze. Light sensitive material.

LOT Batch Code: Refer to Vial

 Use By: Refer to Vial

 Caution, contains Azide

Description

The MG38 monoclonal antibody reacts with human CD205, also known as DEC-205, an integral membrane protein homologous to the macrophage mannose receptor. CD205 is an endocytic dendritic receptor that mediates efficient processing and presentation of antigens on MHC class II productions *in vivo*. CD205 is highly expressed by dendritic cells (DCs) within the T cell areas of lymphoid tissues, particularly on CD8⁺ DCs that are believed to play a role in cross-priming. Expression of CD205 is detected with this antibody at high intensity on *in vitro* derived mature human DCs (mDC) and at intermediate intensity on immature human DCs (iDC). All leukocytes from peripheral blood show a degree of staining with this mAb that can be minimized by using very low concentrations of MG38.

Applications Reported

The MG38 antibody has been reported for use in flow cytometric analysis.

Applications Tested

This MG38 antibody has been tested by flow cytometric analysis of *in vitro* derived human dendritic cells and peripheral blood leukocytes. This can be used at less than or equal to 0.03 μg per test. A test is defined as the amount (μg) of antibody that will stain a cell sample in a final volume of 100 μL . Cell number should be determined empirically but can range from 10^5 to 10^8 cells/test. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

References

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Guo M, Gong S, Maric S, Misulovin Z, Pack M, Mahnke K, Nussenzweig MC, Steinman RM. A monoclonal antibody to the DEC-205 endocytosis receptor on human dendritic cells. *Hum Immunol*. 2000 Aug;61(8):729-38.

Related Products

11-4732 Mouse IgG2b K Isotype Control FITC

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