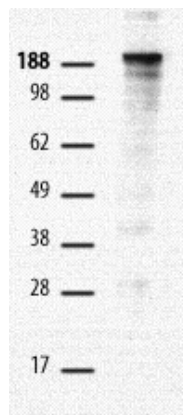


Anti-Mouse CD205 Purified

Catalog Number: 14-2051

Also Known As: DEC205, Ly75

RUO: For Research Use Only. Not for use in diagnostic procedures.



Mouse bone marrow cell lysate was resolved by SDS-PAGE and proteins were transferred to a PVDF membrane. The membrane was probed with 2 ug/ml of Anti-Mouse CD205 Purified and revealed using Anti-Rat IgG HRP.

Product Information

Contents: Anti-Mouse CD205 Purified

REF **Catalog Number:** 14-2051

Clone: 205yekta

Concentration: 0.5 mg/mL

Host/Isotype: Rat IgG2a, kappa

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



Temperature Limitation: Store at 2-8°C.



Batch Code: Refer to Vial



Use By: Refer to Vial



Caution, contains Azide

Description

The 205yekta antibody reacts with mouse CD205, also known as DEC-205 (dendritic and epithelial cells, 205 kDa). CD205 is an integral membrane glycoprotein involved in antigen uptake, trafficking and presentation that improves the induction of antigen-specific T cell immunity. CD205 is highly expressed by CD8+ dendritic cells (DCs) and also expressed at different levels by bone marrow Gr1+ cells, Langerhans cells, (BMDC) bone marrow derived DCs and thymic epithelial cells.

CD205 has been shown to bind to PE-Cy5.5 antibody and streptavidin conjugates; therefore, this format should not be used on CD205+ dendritic cells.

Applications Reported

This 205yekta antibody has been reported for use in flow cytometric analysis and immunoblotting (WB).

Applications Tested

This 205yekta antibody has been tested by flow cytometric analysis of mouse bone marrow cells or immunoblot analysis. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

References

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Bonifaz LC, Bonnyay DP, Charalambous A, Darguste DI, Fujii S, Soares H, Brimnes MK, Moltedo B, Moran TM, Steinman RM. In vivo targeting of antigens to maturing dendritic cells via the DEC-205 receptor improves T cell vaccination. *J Exp Med*. 2004 Mar 15;199(6):815-24.

Swiggard WJ, Mirza A, Nussenzweig MC, Steinman RM. DEC-205, a 205-kDa protein abundant on mouse dendritic cells and thymic epithelium that is detected by the monoclonal antibody NLDC-145: purification, characterization, and N-terminal amino acid sequence. *Cell Immunol*. 1995 Oct 15;165(2):302-11.

Witmer-Pack MD, Swiggard WJ, Mirza A, Inaba K, Steinman RM. Tissue distribution of the DEC-205 protein that is detected by the monoclonal antibody NLDC-145. II. Expression in situ in lymphoid and nonlymphoid tissues. *Cell Immunol*. 1995 Jun;163(1):157-62.

Inaba K, Swiggard WJ, Inaba M, Meltzer J, Mirza A, Sasagawa T, Nussenzweig MC, Steinman RM. Tissue distribution of the DEC-205 protein that

is detected by the monoclonal antibody NLDC-145. I. Expression on dendritic cells and other subsets of mouse leukocytes. Cell Immunol. 1995 Jun;163(1):148-56.

Kraal G, Breel M, Janse M, Bruin G. Langerhans' cells, veiled cells, and interdigitating cells in the mouse recognized by a monoclonal antibody. J Exp Med. 1986 Apr 1;163(4):981-97.

Related Products

12-4822 F(ab')₂ Anti-Rat IgG PE (polyclonal)

14-4321 Rat IgG2a K Isotype Control Purified (eBR2a)

17-5931 Anti-Mouse Ly-6G (Gr-1) APC (RB6-8C5)

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