

Anti-CD11C [CD11C-100/D2]

Catalogue number: 151791

Sub-type:

Images:

Contributor

Inventor: Jacqueline Cordell

Institute: University of Oxford

Images:

Tool details

***FOR RESEARCH USE ONLY**

Name: Anti-CD11C [CD11C-100/D2]

Alternate name: Integrin Subunit Alpha X; Leukocyte Adhesion Glycoprotein P15;95 Alpha Chain; Complement Component 3 Receptor 4 Subunit; Leukocyte Adhesion Receptor P15;95; CD11 Antigen-Like Family Member C; CD11C

Class: Monoclonal

Conjugate: Unconjugated

Description: The integrin alpha X chain protein (CD11c) belongs to the α 2 integrin subfamily. Integrins are cell surface receptors composed of a heterodimer containing an α and β subunit. CD11c (the α subunit) combines with CD18 (the β subunit) to form the leukocyte specific integrin inactivated-C3b receptor 41,2. CD11c is known to be expressed on monocytes/macrophages, granulocytes, activated B cells, in spleen and in bone marrow.

Purpose:

Parental cell:

Organism:

Tissue:

Model:

Gender:

Isotype: IgG2a

Reactivity: Human

Selectivity:

Host: Mouse

Immunogen: Synthetic peptide conjugated to KLH corresponding to the C terminus of human CD11C: ANGQIAPENGQTQTPSPPEK

Immunogen UNIPROT ID:

Sequence:

Growth properties:

Production details:

Formulation:

Recommended controls: Human tonsil

Bacterial resistance:

Selectable markers:

Additional notes:

Target details

Target: CD11C, Integrin, alpha X (complement component 3 receptor 4 subunit). ITGAX

Target alternate names:

Target background: The integrin alpha X chain protein (CD11c) belongs to the α 2 integrin subfamily. Integrins are cell surface receptors composed of a heterodimer containing an α and β subunit. CD11c (the α subunit) combines with CD18 (the β subunit) to form the leukocyte specific integrin inactivated-C3b receptor 41,2. CD11c is known to be expressed on monocytes/macrophages, granulocytes, activated B cells, in spleen and in bone marrow.

Molecular weight:

Ic50:

Applications

Application: IP ; WB

Application notes:

Handling

Format: Liquid

Concentration: 0.9-1.1mg/ml

Passage number:

Growth medium:

Temperature:

Atmosphere:

Volume:

Storage medium:

Storage buffer: RPMI 1640 + 10% FCS + penicillin (100U/ml) + streptomycin (100mg/l) + glutamine (2mM) + HAT

Storage conditions: -15° C to -25° C

Shipping conditions: Shipping at 4° C

Related tools

Related tools:

References

References: Ihanus et al. 2007. Blood. 109(2):802-10. PMID: 16985175. ; Red-cell ICAM-4 is a ligand for the monocyte/macrophage integrin CD11c/CD18: characterization of the binding sites on ICAM-4. ; Ammon et al. 2000. Immunology. 100(3):364-9. PMID: 10929059. ; Comparative analysis of integrin expression on monocyte-derived macrophages and monocyte-derived dendritic cells. ; Bilsland et al. 1994. J Immunol. 152(9):4582-9. PMID: 7512600. ; The leukocyte integrin p150,95 (CD11c/CD18) as a receptor for iC3b. Activation by a heterologous beta subunit and localization of a ligand recognition site to the I domain. ; Myones et al. 1988. J Clin Invest. 82(2):640-51. PMID: 2969921. ; Neutrophil and monocyte cell surface p150,95 has iC3b-receptor (CR4) activity resembling CR3.

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