

Integrin α M (CC104): sc-101829

BACKGROUND

Integrin α M (also designated complement component receptor 3 α chain, CD11b (p170), macrophage antigen α polypeptide, cell surface glycoprotein Mac-1 α subunit, CR3 α chain, MAC1A, MO1A and ITGAM) is a cell adhesion molecule that acts as a receptor for cell surface ligands such as intracellular adhesion molecules (ICAMs) or soluble ligands. Integrins are heterodimeric proteins that contain an α chain and β chain. Integrin α M combines with Integrin β 2 to form a leukocyte-specific integrin referred to as macrophage receptor-1 (Mac-1) or inactivated-C3b (iC3b) receptor 3 (CR3). Integrin α M/ β 2 is important in the adherence of neutrophils and monocytes to stimulated endothelium, and also in the phagocytosis of complement coated particles.

REFERENCES

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8. Hieronymus, T., et al. 2005. Progressive and controlled development of mouse dendritic cells from Flt-3⁺CD11b⁺ progenitors *in vitro*. *J. Immunol.* 174: 2552-2562.
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SOURCE

Integrin α M (CC104) is a mouse monoclonal antibody raised against CC1 hybridoma and peripheral blood monocytes of bovine origin.

STORAGE

Store at 4° C, **DO NOT FREEZE**. Stable for one year from the date of shipment. Non-hazardous. No MSDS required.

PRODUCT

Each vial contains 200 μ g IgG_{2b} in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

Integrin α M (CC104) is available conjugated to either phycoerythrin (sc-101829 PE) or fluorescein (sc-101829 FITC), 200 μ g/ml, for WB (RGB), IF, IHC(P) and FCM.

APPLICATIONS

Integrin α M (CC104) is recommended for detection of Integrin α M of bovine origin by immunofluorescence (starting dilution 1:50, dilution range 1:50-1:500) and flow cytometry (1 μ g per 1 x 10⁶ cells); non cross-reactive with Integrin α M of ovine origin.

Molecular Weight of Integrin α M: 170 kDa.

RESEARCH USE

For research use only, not for use in diagnostic procedures.

PROTOCOLS

See our web site at www.scbt.com for detailed protocols and support products.



See **Integrin α M (2LPM19c): sc-20050** for Integrin α M antibody conjugates, including AC, HRP, FITC, PE, and Alexa Fluor[®] 488, 546, 594, 647, 680 and 790.