

# Integrin $\alpha$ M (CC104): sc-101829

## BACKGROUND

Integrin  $\alpha$ M (also designated complement component receptor 3  $\alpha$  chain, CD11b (p170), macrophage antigen  $\alpha$  polypeptide, cell surface glycoprotein Mac-1  $\alpha$  subunit, CR3  $\alpha$  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  $\alpha$  chain and  $\beta$  chain. Integrin  $\alpha$ M combines with Integrin  $\beta$ 2 to form a leukocyte-specific integrin referred to as macrophage receptor-1 (Mac-1) or inactivated-C3b (iC3b) receptor 3 (CR3). Integrin  $\alpha$ M/ $\beta$ 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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## SOURCE

Integrin  $\alpha$ 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  $\mu$ g IgG<sub>2b</sub> in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

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

## APPLICATIONS

Integrin  $\alpha$ M (CC104) is recommended for detection of Integrin  $\alpha$ M of bovine origin by immunofluorescence (starting dilution 1:50, dilution range 1:50-1:500) and flow cytometry (1  $\mu$ g per 1 x 10<sup>6</sup> cells); non cross-reactive with Integrin  $\alpha$ M of ovine origin.

Molecular Weight of Integrin  $\alpha$ M: 170 kDa.

## RESEARCH USE

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

## PROTOCOLS

See our web site at [www.scbt.com](http://www.scbt.com) for detailed protocols and support products.



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