

Mouse anti-Human CD11b/CR3

Clone BEAR-1

Cat. no. MON 1019

Specificity

MON1019 is an alpha chain integrin that is expressed as heterodimer non-covalently associated with CD18. CD11b is also designated as CR3, Mac-1, Mo-1 in integrin alphaM subunit and has a molecular weight of 165-170 kDa. The protein mediates PMN and monocytes adherence to endothelium and subsequently PMN extravasation to sites of inflammation.

CD11b/CD18 interacts with both matrix and cell surface proteins including the complement component iC3b, extracellular matrix proteins and the third extracellular domain of CD54. CD11b is expressed on human NK-cells, monocytes, granulocytes, T-cells, B-cells and dendritic cells. After activation the expression is upregulated.

Bear-1 reacts with the CD11b alpha chain of the CD11b/CD18 (p165, 95) integrin heterodimer complex.

Immunoglobulin type

Mouse IgG₁

Use

The antibody can be used for flow cytometry, immunohistology on frozen sections and immuno precipitation with a typical starting working dilution of 1:10. (It is recommended to determine the optimal dilutions.)

Presentation

1 ml 0.2 µm filtered antibody in PBS with 0.1% BSA and 0.02% sodium azide

Concentration 100 µg/ml

References

- Keizer, G et al; Eur J Immunol, 15: 1142 (1985).
- Watanabe, A et al ; Int Arch Allergy Immunol, 98: 308 (1992).

Storage

2-8°C until expiry date.

FOR RESEARCH USE ONLY, NOT FOR DRUG, DIAGNOSTIC OR OTHER USE.

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