EXBIO Antibodies

PRODUCT DATA SHEET

1B-681-C025

Monoclonal Antibody to CD11b Biotin conjugated (0.025 mg)

Clone:	ICRF44
Isotype:	Mouse IgG1
Specificity:	The mouse monoclonal antibody ICRF44 recognizes CD11b (Mac-1alpha), a 165-170 kDa type 1 transmembrane protein mainly expressed on monocytes, granulocytes and NK-cells. HLDA IV, WS Code M047
Regulatory Status:	RUO
Immunogen:	Rheumatoid synovial cells and human monocytes.
Species Reactivity:	Human, Non-Human Primates
Preparation:	The purified antibody is conjugated with Biotin-LC-NHS under optimum conditions. The reagent is free of unconjugated biotin.
Concentration:	1 mg/ml
Storage Buffer:	Phosphate buffered saline (PBS) with 15 mM sodium azide, approx. pH 7.4
Storage / Stability:	Store at 2-8°C. Do not freeze. Do not use after expiration date stamped on vial label.
Usage:	Biotinylated antibody is designed for indirect immunofluorescence analysis by Flow Cytometry.
Expiration:	See vial label
Lot Number:	See vial label
Background:	CD11b (integrin alphaM subunit) is a 165-170 kDa type I transmembrane glycoprotein that non-covalently associates with integrin beta2 subunit (CD18); expression of the CD11b chain on the cell surface requires the presence of the CD18 antigen. CD11b/CD18 integrin (Mac-1, CR3) is highly expressed on NK cells, neutrophils, monocytes and less on macrophages. CD11b/CD18 integrin is implicated in various adhesive interactions of monocytes, macrophages and granulocytes, facilitating their diapedesis, as well as it mediates the uptake of complement coated particles, serving as a receptor for the iC3b fragment of the third complement component.

For laboratory research only, not for drug, diagnostic or other use.

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References:

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