

## CD11b antibody [ICRF44]

Cat. No. GTX00481

Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Application	WB, ICC/IF, IHC-Fr, FACS, IP, Activation, Neutralizing/Inhibition
Reactivity	Human, Pig, Baboon, Chimpanzee, Cynomolgus monkey, Rhesus Monkey

Reference ( 12 )

Package

100 µg

## PRODUCT

## Summary

The ICRF44 antibody reacts with human CD11b, also known as integrin  $\alpha$  M. This 165-170 kDa cell surface glycoprotein is part of a family of integrin  $\alpha$  receptors that mediate adhesion between cells (cell-cell) and components of the extracellular matrix, e.g. fibrinogen (cell-matrix). In addition, integrin  $\alpha$ s are active signaling receptors which recruit leukocytes to inflammatory sites and promote cell activation. Complete, functional integrin  $\alpha$  receptors consist of distinct combinations of integrin  $\alpha$  chains which are differentially expressed. integrin  $\alpha$  M (CD11b) assembles with integrin  $\alpha$  beta-2 (CD18) into a receptor known as Macrophage Antigen-1 (Mac-1) or complement receptor type 3 (CR3). This receptor binds and induces intracellular signaling through ICAM-1, ICAM-2, ICAM-3 and ICAM-4 on endothelial cells and can also facilitate removal of iC3b bearing foreign cells.

## APPLICATION

## Application Note

\*Optimal dilutions/concentrations should be determined by the researcher.

Suggested dilution	Recommended dilution
WB	Assay dependent
ICC/IF	Assay dependent
IHC-Fr	Assay dependent
FACS	Assay dependent
IP	Assay dependent
Activation	Assay dependent
Neutralizing/Inhibition	Assay dependent

Not tested in other applications.

**Calculated MW** 127 kDa. ( [Note](#) )

## PROPERTIES

Form	Liquid
Buffer	10mM NaH <sub>2</sub> PO <sub>4</sub> , 150mM NaCl
Preservative	0.09% Sodium azide



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<b>Storage</b>	Store as concentrated solution. Centrifuge briefly prior to opening vial. Store at 4°C.
<b>Concentration</b>	0.5 mg/ml (Please refer to the vial label for the specific concentration.)
<b>Immunogen</b>	Rheumatoid synovial cells and human monocytes.
<b>Purification</b>	Purified by affinity chromatography From tissue culture supernatant
<b>Conjugation</b>	Unconjugated
<b>Note</b>	<p>For laboratory research use only. Not for any clinical, therapeutic, or diagnostic use in humans or animals. Not for animal or human consumption.</p> <p>Purchasers shall not, and agree not to enable third parties to, analyze, copy, reverse engineer or otherwise attempt to determine the structure or sequence of the product.</p>



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