

# Product Datasheet

## CD11b Antibody (OX-42) - BSA Free NB100-65284

Unit Size: 0.1 mg

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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**NB100-65284**

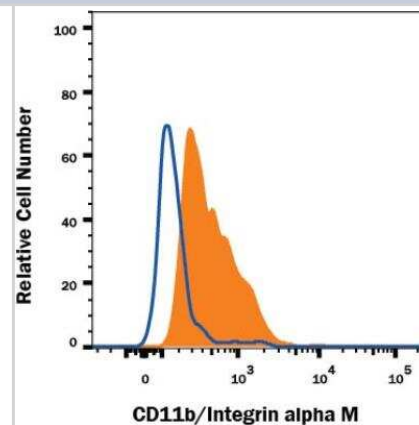
CD11b Antibody (OX-42) - BSA Free

<b>Product Information</b>	
<b>Unit Size</b>	0.1 mg
<b>Concentration</b>	1.0 mg/ml
<b>Storage</b>	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
<b>Clonality</b>	Monoclonal
<b>Clone</b>	OX-42
<b>Preservative</b>	0.02% Sodium Azide
<b>Isotype</b>	IgG2a
<b>Purity</b>	Protein G purified
<b>Buffer</b>	PBS
<b>Target Molecular Weight</b>	127.9 kDa
<b>Product Description</b>	
<b>Host</b>	Mouse
<b>Gene ID</b>	3684
<b>Gene Symbol</b>	ITGAM
<b>Species</b>	Rat
<b>Marker</b>	Microglia Marker, Macrophage Marker
<b>Specificity/Sensitivity</b>	NB100-65284 recognizes the rat equivalent of human CD11b, the receptor for the iC3b component of complement. The antigen is expressed on most macrophages, including resident and activated peritoneal macrophages and Kupffer cells and around 35% of alveolar macrophages. This CD11b antibody also labels dendritic cells, granulocytes and microglial cells in the brain. Clone MRC OX-42 has been reported as being suitable for use on paraffin-embedded material following PLP fixation (periodate-lysine-paraformaldehyde). Functionally, clone OX-42 inhibits complement mediated rosettes.
<b>Immunogen</b>	Mouse Monoclonal CD11b Antibody (OX-42) was made from rat peritoneal macrophages.
<b>Product Application Details</b>	
<b>Applications</b>	Flow Cytometry, Immunohistochemistry, Immunohistochemistry-Frozen, Immunoprecipitation
<b>Recommended Dilutions</b>	Flow Cytometry, Immunohistochemistry, Immunoprecipitation, Immunohistochemistry-Frozen 1:50 - 1:100

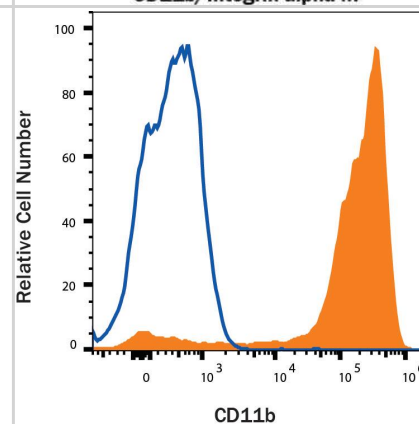


## Images

Flow Cytometry: CD11b Antibody (OX-42) [NB100-65284] - Detection of CD11b in Rat Splenocytes by Flow Cytometry. Rat splenocytes were stained with Mouse Anti-Rat CD11b Monoclonal Antibody (OX-42) [NB100-65284, filled histogram] or Mouse IgG2A Isotype Control Antibody [MAB003, open histogram] followed by anti-Mouse IgG PE-conjugated secondary antibody [F0102B] and Mouse Anti-Rat CD161 Alexa Fluor 647-conjugated Monoclonal Antibody [FAB9766R]. Splenocytes were gated on CD161+ cells.



Flow Cytometry: CD11b Antibody (OX-42) [NB100-65284] - Detection of CD11b in Rat Bone Marrow cells by Flow Cytometry. Rat cells were stained with Mouse Anti-Rat CD11b Monoclonal Antibody (OX-42) [NB100-65284, filled histogram] or Mouse IgG2A Isotype Control Antibody [MAB003, open histogram] followed by anti-Mouse IgG APC-conjugated secondary antibody [F0101B].



## Publications

Bishnoi, M, Bosgraaf, C A Et al. Streptozotocin-induced early thermal hyperalgesia is independent of glycemic state of rats: role of transient receptor potential vanilloid 1 (TRPV1) and inflammatory mediators. *Mol Pain* 2011-07-27 [PMID: 21794120] (IF/IHC, Bovine)



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### **Products Related to NB100-65284**

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HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-96778	Mouse IgG2a Isotype Control (M2A)
NB110-89474PEP	CD11b Antibody Blocking Peptide

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### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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