

# CD11b/c Monoclonal Antibody (OX-42)

## Product Details

Size	100 µg
Species Reactivity	Rat
Published Species	Rat
Host/Isotype	Mouse / IgG2a
Class	Monoclonal
Type	Antibody
Clone	OX-42
Conjugate	Unconjugated
Immunogen	Rat peritoneal macrophages.
Form	Liquid
Concentration	1 mg/mL
Purification	Protein A
Storage buffer	PBS, pH 7.2
Contains	0.09% sodium azide
Storage conditions	Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.
RRID	AB_927470

Applications	Tested Dilution	Publications
Immunohistochemistry (IHC)	-	3 Publications
Immunohistochemistry (Frozen) (IHC (F))	1:50-1:100	1 Publication
Immunohistochemistry - Free Floating (IHC (Free))	-	1 Publication
Immunocytochemistry (ICC/IF)	Assay-dependent	2 Publications
Flow Cytometry (Flow)	1:50-1:100	4 Publications
Immunoprecipitation (IP)	Assay-dependent	1 Publication
Miscellaneous PubMed (Misc)	-	12 Publications

## Product Specific Information

For FACS analysis, use 10 µL of the suggested working dilution to label  $1 \times 10^6$  cells in 100 µL.

Mouse anti Rat CD11b, clone OX-42, recognizes rat CD11b, also known as integrin alpha-M, the receptor for the iC3b component of complement. CD11b is a 1151 amino acid single pass type 1 transmembrane glycoprotein possessing a single vWFA domain and multiple FG-GAP repeats.

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## Immunohistochemistry (3)

<p><b>International journal of molecular sciences</b></p> <p><b>Differential Expression of Neuroinflammatory mRNAs in the Rat Sciatic Nerve Following Chronic Constriction Injury and Pain-Relieving Nanoemulsion NSAID Delivery to Infiltrating Macrophages.</b></p> <p>"MA1-81606 was used in Immunohistochemistry to the prognostic significance of the LMR associated with RT in patients with WR-B-NHL and acknowledged the potential use of PD-1 antibody in RT-treated lymphomas."</p> <p>Authors: Stevens AM,Liu L,Bertovich D,Janjic JM,Pollock JA</p>	<p><b>Year</b> 2019</p> <p><b>Dilution</b> 1:100</p>
<p><b>Journal of neuroscience research</b></p> <p><b>Increased ceruloplasmin expression caused by infiltrated leukocytes, activated microglia, and astrocytes in injured female rat spinal cords.</b></p> <p>"MA1-81606 was used in Immunohistochemistry to show how quantitative analysis proved that infiltrated leukocytes, activated microglia/macrophages, and astrocytes should be the major sources of increased Cp."</p> <p>Authors: Wu Y,Shen L,Wang R,Tang J,Ding SQ,Wang SN,Guo XY,Hu JG,Lü HZ</p>	<p><b>Year</b> 2018</p> <p><b>Species</b> Rat</p> <p><b>Dilution</b> 1:200</p>

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## Immunohistochemistry (Frozen) (1)

<p><b>Journal of neurotrauma</b></p> <p><b>Fluoxetine prevents oligodendrocyte cell death by inhibiting microglia activation after spinal cord injury.</b></p> <p>"MA1-81606 was used in immunohistochemistry - frozen section to demonstrate that fluoxetine alleviates oligodendrocyte cell death after spinal cord injury"</p> <p>Authors: Lee JY,Kang SR,Yune TY</p>	<p><b>Year</b> 2015</p> <p><b>Dilution</b> 1:200</p>
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## Immunohistochemistry - Free Floating (1)

<p><b>Neuropathology : official journal of the Japanese Society of Neuropathology</b></p> <p><b>A rat model of mild cognitive impairment associated with vascular factor.</b></p> <p>"MA1-81606 was used in immunohistochemistry - free floating to develop and characterize a rat model of vascular mild cognitive impairment"</p> <p>Authors: Zhang L,Wei WS,Li YJ,Wang Y</p>	<p><b>Year</b> 2011</p> <p><b>Species</b> Rat</p> <p><b>Dilution</b> 1:50</p>
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## More applications with references on thermofisher.com

- ICC/IF (2)
- Flow (4)
- IP (1)
- Misc (12)

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