

Mouse CD11b Monoclonal Antibody | anti-CD11b antibody

MOUSE ANTI RAT CD11b:RPE

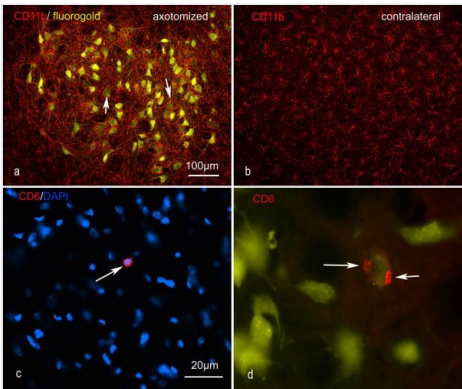
CATALOG # AAA12045	HOST Mouse	APPLICATIONS Flow Cytometry, Functional Assay
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PRODUCT SYNONYMS

CD11b; Monoclonal Antibody; MOUSE ANTI RAT CD11b:RPE; anti-CD11b antibody

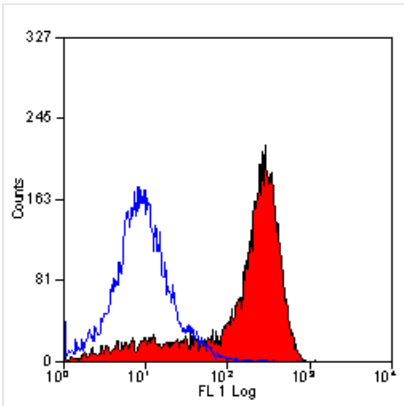
PRODUCT SPECIFICATIONS

Host	Mouse
Clonality	Monoclonal
Isotype	IgG2a
Clone Number	OX-42
Form/Format	Purified IgG conjugated to R. Phycoerythrin (RPE) - lyophilised
Sequence Length	920
Applicable Applications for anti-CD11b antibody	FCM/FACS (Flow Cytometry)
Application Notes	Flow Cytometry: Use 10ul of the suggested working dilution to label 106 cells in 100ul. Flow Cytometry: Maximum Dilution: Neat
Reconstitution	Reconstitute with 1 ml distilled water Perservative Stabilisers
Buffer Solution	Phosphate buffered saline
Target Species	Rat
Preparation and Storage	Prior to reconstitution store at 4 degree C. Following reconstitution store at 4 degree C. DO NOT FREEZE. This product should be stored undiluted. This product is photosensitive and should be protected from light. Should this product contain a precipitate we recommend microcentrifugation before use. Shelf Life: 12 months from date of reconstitution.



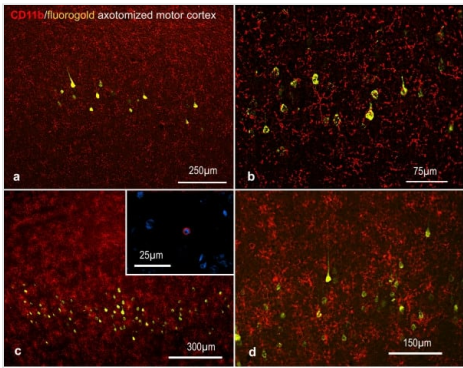
Application Data

Published customer image: Representative images of the inflammatory changes in the facial nucleus during axonal regeneration, one week following facial nerve transection. a, b: CD11b immunoreactivity for microglia is increased in the axotomized facial nucleus, and microglia enwrap the facial motor neurons, e.g. at arrows. The regenerating neurons were retrogradely labelled with fluorogold. c, d: CD68-positive T-cells accumulated in the injured motor nucleus (arrows). They had little cytoplasm but dense nuclei (c) and were sometimes clustered around neurons retrogradely labelled with fluorogold (d). The scale bar in (a) also applies to (b) and that in (c) also applies to (d).From: Shokouhi et al. BMC Neuroscience 2010 11:13.



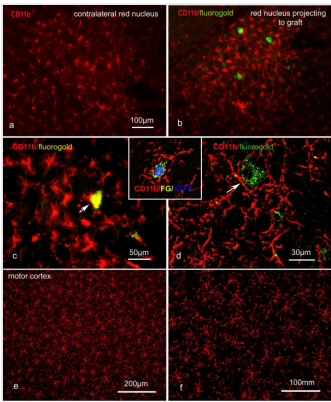
Application Data

Staining of rat peritoneal macrophages with Mouse anti Rat CD11b



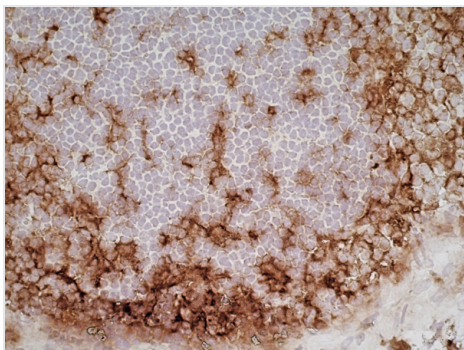
Application Data

Published customer image: CD11b immunoreactive (red) microglia in the motor cortex following cervical corticospinal tract injury. Representative images of motor cortex - a, b: one week (deconvolved images); c, d: two weeks following corticospinal tract injury. The corticospinal neurons were retrogradely labelled with fluorogold applied to the spinal cord at the time of injury. There is little sign of microglial activation. The inset in (c) shows a CD68-positive T-cell in the motor cortex, but no accumulation of such cells was detected.From: Shokouhi BN, Wong BZ, Siddiqui S, Lieberman AR, Campbell G, Tohyama K, Anderson PN. Microglial responses around intrinsic CNS neurons are correlated with axonal regeneration. BMC Neurosci. 2010 Feb 5;11:13.



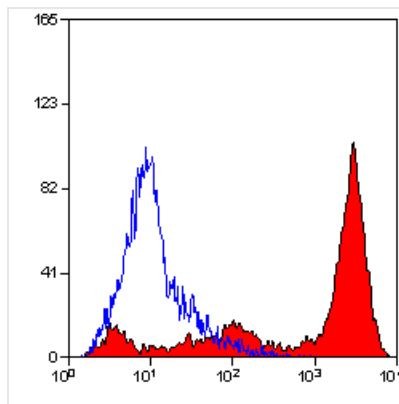
Application Data

Published customer image: Microglia in the red nucleus (a-d and inset) and motor cortex (e, f) 4 weeks after nerve graft implantation into the rubrospinal tract and cervical dorsal columns respectively. Neurons with regenerating axons were retrogradely labelled with fluorogold. Microglia established close contacts with regenerating rubrospinal neurons (arrows), which also expressed ATF3 (inset). No retrogradely labelled corticospinal neurons were detected (e and f) and there was no microglial activation in the motor cortex. (a-c) are non-deconvolved and (d-f plus inset) are deconvolved images. The scale bar in (a) also applies to (b).From: Shokouhi BN, Wong BZ, Siddiqui S, Lieberman AR, Campbell G, Tohyama K, Anderson PN. Microglial responses around intrinsic CNS neurons are correlated with axonal regeneration. BMC Neurosci. 2010 Feb 5;11:13.



Application Data

Immunoperoxidase staining of rat lymph node cryosection with Mouse anti Rat CD11b antibody followed by horseradish peroxidase conjugated Goat anti Mouse IgG2a as a detection reagent. High power



Application Data

Staining of rat peritoneal macrophages cells with Mouse anti Rat CD11b:Alexa Fluor 488

NCBI AND UNIPROT INFORMATION

NCBI GI #	1616950
NCBI GeneID	397459
Molecular Weight	102,441 Da
NCBI Official Full Name	CD11b, partial
NCBI Official Symbol	ITGAM
NCBI Official Synonym Symbols	CD11B
NCBI Protein Information	integrin alpha-M
UniProt Protein Name	CD11b
UniProt Gene Name	CD11b
UniProt Entry Name	Q28984_PIG

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/cd11b-antibody-clone-ox-42-flow-cytometry-elisa/12045>