

Anti-Integrin beta 2 alpha subunit (CD11b/c, Mac-1) Antibody



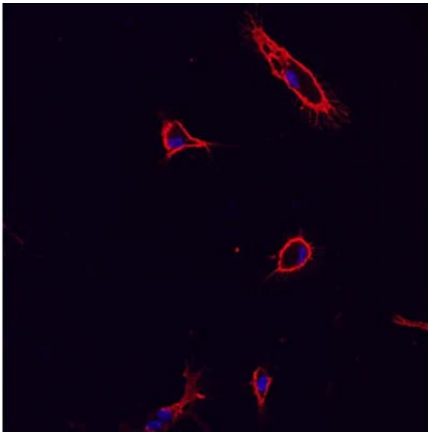
Product Details

Available Variants	100 µg (SKU:M-1325-100)
Conjugate	Unconjugated
Clone	OX42, OX-42
Host Species	Mouse
Format	IgG
Physical State	Lyophilized
Buffer	Lyophilized from PBS containing no preservatives.
Production Notes	Protein G purified hybridoma supernatants.
Applications	Flow, ICC, IHC, IP
Dilution Ranges	IHC: 1:100-1:200 ICC: 1-2 µg/mL IP: 1-5 µg/mL
Species Reactivity	Rat
Immunogen	Rat peritoneal macrophages, whole cells. (Robinson, AP et al Immunology 1986 57 239-247)
Specificity	Clone OX-42 recognizes the rat equivalent of human CD11b and shares a common epitope with CB11c (integrin alpha M and alpha X chains). (PMID:1672643; Tamatani T et al 1991). Immunoprecipitates three polypeptides of 160 kDa, 103 kDa and 95 kDa and a fainter band may also be seen at 133 kDa under non-reducing conditions. If the immunoprecipitated proteins are reduced, two major peptides of 163 kDa and 100 kDa and a minor 135 kDa peptide are seen. Mis-information exists concerning reactivity to mouse and human CD11b/c with OX-42 from various vendors. Biosensis has not verified that OX42 reacts with mouse and human,

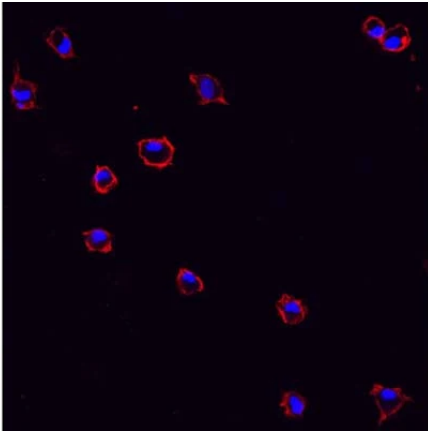
and ONLY recommends the clone only for rat as the original paper and most papers use the OX family of clones on rat.

Molecular Weight	Immunoprecipitates three polypeptides of 160 kDa, 103 kDa, and 95 kDa and a fainter band may also be seen at 133 kDa under non-reducing conditions. If the immunoprecipitated proteins are reduced, two major peptides of 163 kDa and 100 kDa and a minor 135 kDa peptide are seen.
Storage	Spin vial briefly before opening. Reconstitute in 100 µL sterile-filtered, ultrapure water to achieve an antibody concentration of 1 mg/mL. Centrifuge to remove any insoluble material. Final solution will contain no preservatives12 months after purchase at 2-8°C (lyophilized formulations). After reconstitution, aliquot and store at -20°C for a higher stability. Avoid freeze-thaw cycles.
UniProt ID	<u>Q9J130</u>
Country of Origin	United States
Shipping	25°C (ambient)
Expiration	12 months after date of receipt (unopened vial).
Usage Statement	For research use only.

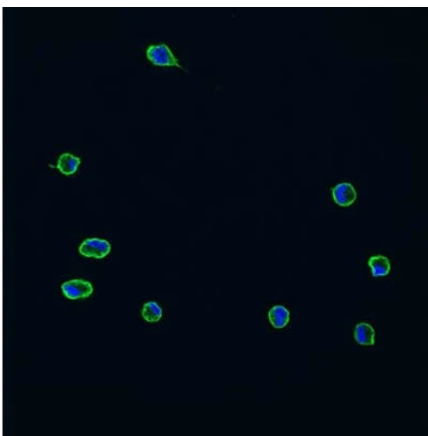
Product Images



Immunohistochemical staining with mouse monoclonal antibody to CD11b [OX42] M-1325-100 of pure (>98%) microglial cells isolated from mixed glia cultures obtained from neonate rat brains (1.25 µg/mL). Secondary antibody was biotinylated anti-mouse (1.25 µg/mL) and detection method used Extravidin-Cy3 conjugate (2.5 µg/mL). Cells were fixed before incubation with OX42 (1hr). Cells were not permeabilized. Pictures courtesy of Markus Smolny.



Immunohistochemical staining with mouse monoclonal antibody to CD11b [OX42] M-1325-100 of pure (>98%) microglial cells isolated from mixed glia cultures obtained from neonate rat brains (1.25 µg/mL). Secondary antibody was biotinylated anti-mouse (1.25 µg/mL) and detection method used Extravidin-Cy3 conjugate (2.5 µg/mL). Non-fixed microglia were stained with OX42. After 1hr incubation of OX42, cells were fixed. Cells were not permeabilized. Pictures courtesy of Markus Smolny.



Immunohistochemical staining with fluorescein tagged mouse monoclonal antibody to CD11b [OX42] M-1325-100 of pure (>98%) microglial cells isolated from mixed glia cultures obtained from neonate rat brains (1.6 µg/mL). Microglia were pre-treated with minocycline. Non-fixed microglia were stained with OX42 (30 min incubation @ room temperature). After application of OX42, cells were fixed. Cells were not permeabilized. Pictures courtesy of Markus Smolny.

Product Page URL: www.antibodiesinc.com/products/anti-integrin-beta-2-alpha-subunit-cd11b-c-mac-1-antibody-m-1325-100



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