

Product Data Sheet

Alexa Fluor® 647 anti-rat CD11b/c

Catalog # / Size: 201813 / 25 µg
201814 / 100 µg

Clone: OX-42

Isotype: Mouse IgG2a, κ

Immunogen: Rat peritoneal macrophages

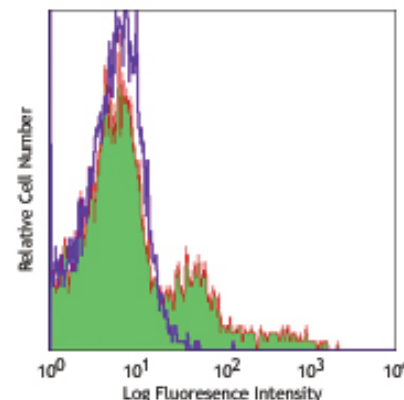
Reactivity: Rat

Preparation: The antibody was purified by affinity chromatography, and conjugated with Alexa Fluor® 647 under optimal conditions. The solution is free of unconjugated Alexa Fluor® 647.

Formulation: Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide.

Concentration: 0.5 mg/ml

Storage: The antibody solution should be stored undiluted at 4°C and protected from prolonged exposure to light. **Do not freeze.**



LOU rat splenocytes stained with
OX-42 Alexa Fluor® 647

Applications:

Applications: FC - *Quality tested*
IHC, IF - *Reported in the literature*

Recommended Usage: Each lot of this antibody is quality control tested by immunofluorescent staining with flow cytometric analysis. For immunofluorescent staining, the suggested use of this reagent is ≤0.25 µg per million cells in 100 µl volume. It is recommended that the reagent be titrated for optimal performance for each application.

* Alexa Fluor® 647 has a maximum emission of 668 nm when it is excited at 633 nm / 635 nm.

** Alexa Fluor® 647 is a registered trademark of Molecular Probes, Inc. Alexa Fluor® 647 dye antibody conjugates are sold under license from Molecular Probes, Inc. for research use only, except for use in combination with microarrays and high content screening, and are covered by pending and issued patents.

Application Notes: Additional reported applications (for the relevant formats) include: immunohistochemistry of acetone-fixed frozen sections^{1,2}, immunoprecipitation³, *in vivo* and *in vitro* blocking of C3bi binding^{3,4}.

Application References:

1. Whiteland JL, *et al.* 1995. *J. Histochem. Cytochem.* 43:313. (IHC)
2. Milligan CE, *et al.* 1991. *J. Comp. Neurol.* 314:125. (IHC)
3. Robinson AP, *et al.* 1986. *Immunology* 57:239. (Block)
4. Issekutz SE, *et al.* 1992. *Immunology* 76:655. (Block)
5. Muehlbauer SM, *et al.* Am. J Pathol. 177:735. (FC) PubMed

Description: The OX-42 antibody reacts with the CR3 complement (C3bi) receptor expressed on monocytes, granulocytes, macrophages, dendritic cells, NK cells, and a subset of lymphocytes. This antibody appears to recognize a common epitope shared between CD11b and CD11c (integrin α_M and α_X chains). The OX-42 antibody precipitates three polypeptides with apparent molecular weights of 160, 103, and 95 kD, respectively. This antibody has been shown to block the formation of complement-mediated rosettes and leukocyte migration.

Antigen References:

1. Robinson AP, *et al.* 1986. *Immunology* 57:239.
2. Barcaly AN. 1981 *Immunology* 42:593.

Related Products:

Product
Cell Staining Buffer
Alexa Fluor® 647 Mouse IgG2a, κ Isotype Ctrl

Clone
MOPC-173

Application
FC, ICC, ICFC
FC, ICFC



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