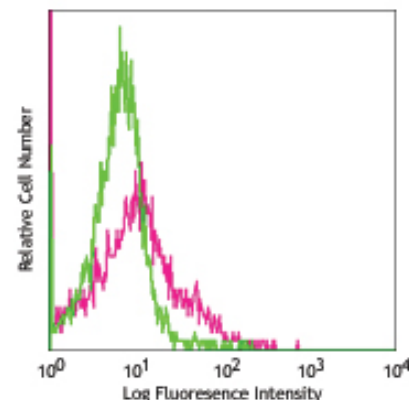


Product Data Sheet

Purified anti-rat CD11b/c

Catalog # / Size: 201801 / 100 µg
Clone: OX-42
Isotype: Mouse IgG2a, κ
Immunogen: Rat peritoneal macrophages
Reactivity: Rat
Preparation: The antibody was purified by affinity chromatography.
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.



Lou splenocytes stained with purified OX-42, followed by anti-mouse IgG FITC

Applications:

Applications: FC - *Quality tested*
 IHC, IP - *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 ≤1.0 µg per million cells in 100 µl volume. It is recommended that the reagent be titrated for optimal performance for each application.

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:

- Whiteland JL, *et al.* 1995. *J. Histochem. Cytochem.* 43:313. (IHC)
- Milligan CE, *et al.* 1991. *J. Comp. Neurol.* 314:125. (IHC)
- Robinson AP, *et al.* 1986. *Immunology* 57:239. (Block)
- Issekutz SE, *et al.* 1992. *Immunology* 76:655. (Block)
- 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:

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

Related Products:

Product
 APC Goat anti-mouse IgG (minimal x-reactivity)
 HRP Goat anti-mouse IgG (minimal x-reactivity)
 Purified Mouse IgG2a, κ Isotype Ctrl
 PE Goat anti-mouse IgG (minimal x-reactivity)
 Cell Staining Buffer

Clone
 Poly4053
 Poly4053
 MOPC-173
 Poly4053

Application
 FC
 ELISA, IHC, WB
 FC, ICC, IF, IHC, IP, WB
 FC
 FC, ICC, ICFC



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