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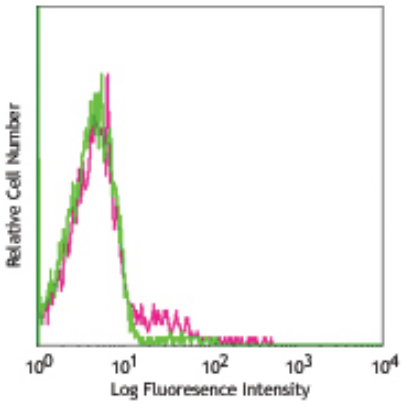
Product Data Sheet

FITC anti-rat CD11b/c

Catalog # / Size: 201805 / 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 FITC under optimal conditions. The solution is free of unconjugated FITC.
Formulation: Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide and 0.5% BSA (origin USA).
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 FITC

Applications:

Applications: FC - *Quality tested*

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.

Application Notes: Additional reported applications (for the relevant formats) include: immunohistochemistry of acetone-fixed frozen sections[1,2], immunoprecipitation[3], *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	Clone	Application
FITC Mouse IgG2a, κ Isotype Ctrl	MOPC-173	FC, ICFC
Cell Staining Buffer		FC, ICC, ICFC

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