

Product Data Sheet

FITC anti-mouse CD68

Catalog # / Size: 137005 / 25 µg
137006 / 100 µg

Clone: FA-11

Isotype: Rat IgG2a

Immunogen: Purified Con A receptor glycoproteins from the P815 cell line

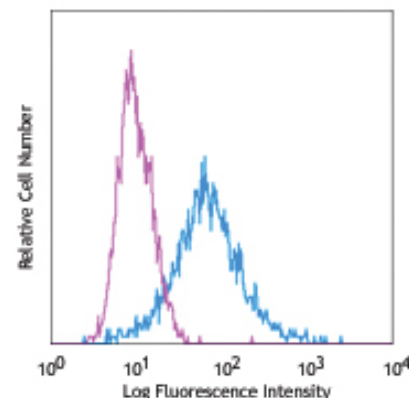
Reactivity: Mouse

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.

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.**



Thioglycolate-elicited Balb/c peritoneal macrophages intracellularly stained with FA-11 FITC

Applications:

Applications: FC, ICFC - *Quality tested*

Recommended Usage: Each lot of this antibody is quality control tested by intracellular 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 (for relevant formats) applications include: immunoprecipitation^{1, 2}, Western Blot^{1, 2}, and immunohistochemical staining of frozen section².

Application References: 1. Silva RP, *et al.* 1999. *Biochem. J.* 338:687. (IP WB)
2. Rabinowitz SS, *et al.* 1991. *J. Exp. Med.* 174:827. (IP WB IHC)

Description: Mouse CD68, also known as macrosialin, is an 85-115 kD member of the lysosomal-associated membrane protein (LAMP) family. It is a heavily glycosylated and predominantly intracellular protein, mainly in late endosomes. Macrosialin is the murine homolog to the human macrophage glycoprotein CD68. It is expressed on tissue macrophages, Langerhans cells and at low levels on dendritic cells. Lamp proteins may have functions relating to cell-cell interaction or cell-ligand interaction. The biological function of CD68 is not completely understood.

Antigen References: 1. Ramprasad MP, *et al.* 1996. *Proc. Natl. Acad. Sci. USA* 93:14833.
2. Smith MJ, *et al.* 1987. *J. Cell. Sci.* 87:113.

Related Products:

Product FITC Rat IgG2a, κ Isotype Ctrl

Cell Staining Buffer

RBC Lysis Buffer (10X)

TruStain fcX™ (anti-mouse CD16/32)

Clone

RTK2758

93

Application

FC, ICFC

FC, ICC, ICFC

FC, ICFC

FC



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