BioLegend
The path to legendary discovery™

Product Data Sheet

PE anti-mouse CD68

Catalog # / Size: 137013 / 25 µg
137014 / 100 µg

Clone: FA-11

Isotype: Rat IgG2a

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

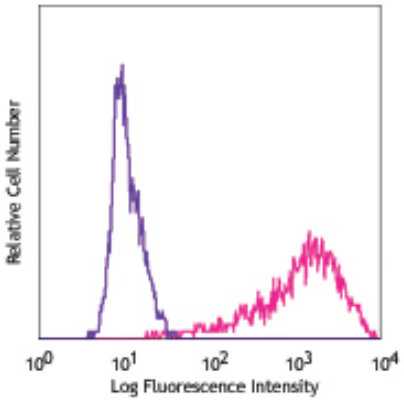
Reactivity: Mouse

Preparation: The antibody was purified by affinity chromatography and conjugated with PE under optimal conditions. The solution is free of unconjugated PE and unconjugated antibody.

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

Concentration: 0.2 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 intracelluarly stained with FA-11 PE

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 section[2].

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)
3. Cummings HE., *et al.* 2012. *PNAS.* PubMed.

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	Clone	Application
PE Rat IgG2a, κ Isotype Ctrl	RTK2758	FC, ICFC
Cell Staining Buffer		FC, ICC, ICFC
RBC Lysis Buffer (10X)		FC, ICFC
TruStain fcX™ (anti-mouse CD16/32)	93	FC

BioLegend Inc., 9727 Pacific Heights Blvd, San Diego, CA 92121 www.biolegend.com
Toll-Free Phone: 1-877-Bio-Legend (246-5343) Phone: (858) 455-9588 Fax: (858) 455-9587