

# Product Data Sheet

## PerCP/Cy5.5 anti-mouse CD68

**Catalog # / Size:** 137009 / 25 µg  
137010 / 100 µg

**Clone:** FA-11

**Isotype:** Rat IgG2a

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

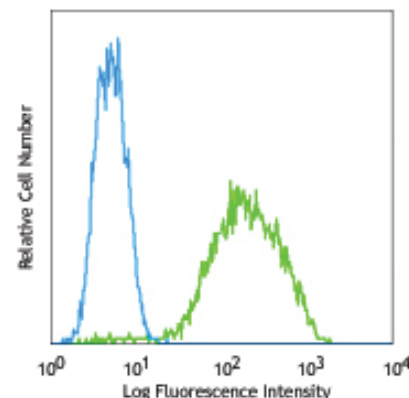
**Reactivity:** Mouse

**Preparation:** The antibody was purified by affinity chromatography and conjugated with PerCP/Cy5.5 under optimal conditions. The solution is free of unconjugated PerCP/Cy5.5 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 intracellularly stained with FA-11 PerCP/Cy5.5*

## 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.

\* PerCP/Cy5.5 has a maximum absorption of 482 nm and 564 nm and a maximum emission of 690 nm.

**Application Notes:** Additional reported (for relevant formats) applications include: immunoprecipitation<sup>1,2</sup>, Western Blot<sup>1,2</sup>, and immunohistochemical staining of frozen section<sup>2</sup>.

Cy3, Cy5, Cy5.5 and Cy7 are subject to proprietary rights of GE Healthcare Bio-Sciences Corp. and Carnegie Mellon University and made and sold under license from GE Healthcare Bio-Sciences Corp. Sale of this product is licensed for research use only.

**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. Olver JA, *et al.* 2012. *Am J Physiol Renal Physiol.* 302:1362. 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  
PerCP/Cy5.5 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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