

## PE/Cy5 Anti-Mouse F4/80 Monoclonal Antibody



天津三箭生物技术股份有限公司  
Tianjin Sungene Biotech Co., Ltd.  
精准 高效 稳定 Precision Efficient Stable

Catalog Number	Vial Size
M100F1-35A	25 µg
M100F1-35C	100 µg

**Market** | 400-621-0003  
marketing@sungenebiotech.com

**Support** | 022-66211636-8024  
techsupport@sungenebiotech.com

**Web** | www.sungenebiotech.com

**Important Note:** Centrifuge before opening to ensure complete recovery of vial contents.  
This product is guaranteed up to one year from purchase.

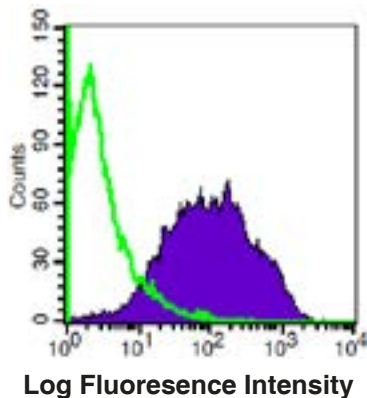
## Purified Antibody Characterization

Clone	Isotype	Reactivity
BM8	Rat IgG2a	Mouse

## Description

The BM8 monoclonal antibody reacts with mouse F4/80 antigen, an approximately 125 kDa transmembrane protein. The F4/80 antigen is expressed by a majority of mature macrophages and is the best marker for this population of cells. However, other cell types such as Langerhans cells and liver Kupffer cells have been reported to express this antigen. Expression of F4/80 commences during early myeloid development and is upregulated on all BM cells stimulated in vitro with M-CSF. It has been shown that some cytokines downregulate the expression of F4/80 resulting in lack of F4/80 antigen on a subpopulation of macrophages, especially in the lymphoid microenvironment in vivo.

## Illustration of Immunofluorescent Staining



Thioglycolate-elicited BALB/c mouse peritoneal macrophages stained with PE/Cy5 anti-mouse F4/80 antibody

## Product Information

**Conjugation:** PE/Cy5

**Formulation:** PBS pH 7.2, 0.09% NaN<sub>3</sub>, 0.2% BSA

**Concentration:** 0.2 mg/ml

**Storage:** Keep as concentrated solution. Store at 4°C and protected from prolonged exposure to light. **Do not freeze.**

**Application:** Recommended Application: FC

**Usage:** Each lot of this antibody is quality control tested by immunofluorescent staining with flow cytometric analysis (The amount of the reagent is suggested to be used  $\leq 1.0 \mu\text{g} / 10^6$  cells in 100  $\mu\text{l}$ ). Since applications vary, the appropriate dilutions must be determined for individual use.

## References

- [1] Austy JM and Gordon S. 1981. Eur. J. Immunol. 11:805.
- [2] Hume DA, et al. 1983. J. Exp. Med. 158:1522.
- [3] Ruedl C, et al. 1996. Eur. J. Immunol. 26:1801.
- [4] McKnight AJ, et al. 1996. J. Biol. Chem. 271:486.
- [5] Lin HH, et al. 2005. J. Exp. Med. 201:1615.

**For Research Use Only.**