

Monoclonal Antibody to Mouse CD68 - PE

Catalog No.:	SM1550R
Quantity/Conc.:	1.0 ml (100 Tests) / 0.1 mg/ml IgG
Clone:	FA11
Host/Isotype:	Rat IgG2a
Format:	This antibody was lyophilised from PBS pH 7.4 with 0.09% sodium azide as preservative and 1% BSA as stabilizer. This Protein G affinity purified immunoglobulin fraction is conjugated to R. Phycoerythrin (PE). Reconstitute with 1.0 ml distilled water.
Applications:	Flow cytometry: use 10 µl of neat antibody to label 10 ⁶ cells in 100 µl. Membrane permeabilisation is required for this application. Other applications not tested. Optimal dilutions of this antibody are dependent on application and should be determined by the user.
Specificity:	Macrosialin is a heavily glycosylated transmembrane protein of 87-115kD, which is specifically expressed by tissue macrophages, Langerhans cells and at low levels by dendritic cells. Macrosialin is the murine homologue of the human macrophage glycoprotein CD68, both are members of the lysosomal-associated membrane protein (lamp) family which are located predominantly within the cells and can be detected by flow cytometry using cell permeabilisation. This antibody does detect surface macrosialin at low levels in resident mouse peritoneal macrophages which can be enhanced with thioglycollate stimulation.
Storage:	Store at +4°C. DO NOT FREEZE. This product should be stored undiluted. This product is photosensitive and should be protected from light. Avoid repeated freezing and thawing. Shelf life: one year from despatch.
References:	1. Ramprasad, M.P. et al. (1996). Cell surface expression of mouse macrosialin and human CD68 and their role as macrophage receptors for oxidized low density lipoprotein. Proc. Natl. Acad. Sci. 93: 14833-14838.

SM1550R/PB0805

For research and *in vitro* use only. Not for diagnostic or therapeutic work.
Material Safety Datasheets are available at www.acris-antibodies.com or on request.

Antibody Hotline • Technical Questions • Antibody Location Service
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