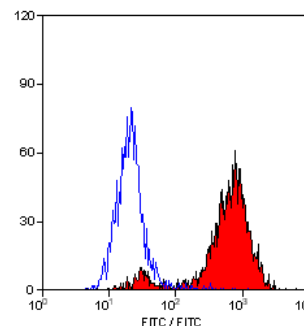


## Monoclonal Antibody to Mouse CD68 - FITC

<b>Catalog No.:</b>	SM1550F
<b>Quantity/Conc.:</b>	0.1 mg / 1.0 mg/ml IgG
<b>Clone:</b>	FA11
<b>Host/Isotype:</b>	Rat IgG2a
<b>Format:</b>	This antibody is supplied as liquid, Protein G affinity purified immunoglobulin fraction in PBS buffer pH 7.4 with 1% BSA as stabilizer and 0.09% sodium azide as preservative.



*Staining of permeabilised mouse peritoneal macrophage cells with RAT ANTI MOUSE CD68:FITC (SM1550F).*

<b>Applications:</b>	Flow cytometry (Use 10µl of net – 1/10 diluted antibody to label 10 <sup>6</sup> cells in 100 µl. Membrane permeabilisation is required for this application). Immunohistochemistry on frozen sections. Other applications not tested. Optimal dilutions of this antibody are dependent on application and should be determined by the user.
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<b>Specificity:</b>	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. SM059F does detect surface macrosialin at low levels in resident mouse peritoneal macrophages which can be enhanced with thioglycollate stimulation. Species Cross Reactivity: Not tested.
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<b>Storage:</b>	Store the antibody at 4-8°C for one month or at -20°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.
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<b>References:</b>	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.
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SM1550F/PB1104

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**Material Safety Datasheets are available at [www.acris-antibodies.com](http://www.acris-antibodies.com) or on request.**

Antibody Hotline • Technical Questions • Antibody Location Service  
0800-2274746  
service@acris-antibodies.de

[www.acris-antibodies.com](http://www.acris-antibodies.com)