

## Monoclonal Antibody to CD172a / SIRPA - FITC

<b>Alternate names:</b>	BIT, Brain Ig-like molecule with tyrosine-based activation motifs, CD172 antigen-like family member A, Inhibitory receptor SHPS-1, MFR, MYD1, Macrophage fusion receptor, MyD-1 antigen, PTPNS1, SHP substrate 1, SHPS-1, SHPS1, Signal-regulatory protein alpha-1, Sirp-alpha-2, Sirp-alpha-3, Tyrosine-protein phosphatase non-receptor type substrate 1, p84
<b>Catalog No.:</b>	SM1765F
<b>Quantity:</b>	0.1 mg
<b>Concentration:</b>	0.1 mg/ml
<b>Background:</b>	CD172a is expressed selectively by myeloid cells and by neurons.
<b>Uniprot ID:</b>	<a href="#">P97710</a>
<b>NCBI:</b>	<a href="#">NP_037148.2</a>
<b>GeneID:</b>	<a href="#">25528</a>
<b>Host / Isotype:</b>	Mouse / IgG1
<b>Clone:</b>	ED9
<b>Immunogen:</b>	Spleen cell homogenate. Spleen cells from immunised mice were fused with cells of the Sp2/O Ag-14 myeloma cell line.
<b>Format:</b>	<b>State:</b> Liquid purified IgG <b>Purification:</b> Affinity chromatography on Protein A <b>Buffer System:</b> Contains 0.09% Sodium Azide and 1% Bovine Serum Albumin <b>Label:</b> FITC – Fluorescein Isothiocyanate Isomer 1
<b>Applications:</b>	Flow cytometry: neat - 1/10; use 10 µl of the suggested working dilution to label 10e6 cells. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
<b>Specificity:</b>	This antibody recognises CD172a, also known as Signal regulatory protein (SIRP). ED9 binds to a different epitope on SIRP than OX41. <b>Species:</b> Rat. Other species not tested.
<b>Storage:</b>	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing. This product is photosensitive and should be protected from light. Shelf life: one year from despatch.
<b>General References:</b>	1. Damoiseaux, J.G.M.C. et al. (1989) Rat bone marrow and monocyte cultures: influence of culture time and lymphokines on the expression of macrophage differentiation antigens. J. Leukoc. Biol. 46: 246-253. 2. Damoiseaux, J.G.M.C. et al. (1989) Heterogeneity of macrophages in the rat evidenced by

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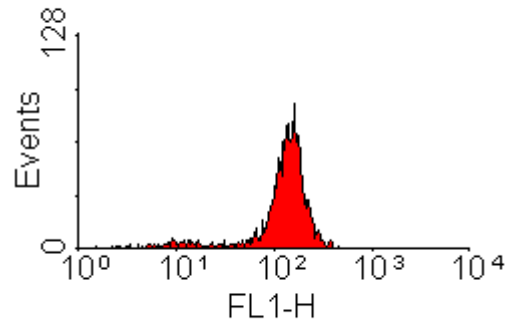
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variability in determinants: two new anti-rat macrophage antibodies against a heterodimer of 160 and 95kD (CD11/CD18). J. Leukoc. Biol. 46: 556-564.

3. Adams, S. et al. (1998) Signal-regulatory protein is selectively expressed by myeloid and neuronal cells. J. Immunol. 161: 1853-1859.

**Pictures:**

SM1765F staining of rat peritoneal macrophages



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