

## Monoclonal Antibody to CD172a / SIRPA - PE

- Alternate names:** 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
- Catalog No.:** SM1765R
- Quantity:** 100 Tests
- Background:** CD172a is expressed selectively by myeloid cells and by neurons.
- Uniprot ID:** [P97710](#)
- NCBI:** [NP\\_037148.2](#)
- GeneID:** [25528](#)
- Host / Isotype:** Mouse / IgG1
- Clone:** ED9
- Immunogen:** Spleen cell homogenate. Spleen cells from immunised mice were fused with cells of the Sp2/0 Ag-14 myeloma cell line.
- Format:** **State:** Lyophilized purified IgG  
**Purification:** Affinity chromatography on Protein G  
**Buffer System:** PBS, pH7.4 containing 0.09% Sodium Azide and 1% Bovine Serum Albumin  
**Label:** PE – R. Phycoerythrin (RPE)  
**Reconstitution:** Restore with 1 ml distilled water
- Applications:** Flow cytometry.  
Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
- Specificity:** This antibody recognises CD172a, also known as Signal regulatory protein (SIRP). ED9 binds to a different epitope on SIRP than OX41.  
**Species:** Rat.  
Other species not tested.
- Storage:** Prior to and following reconstitution store the antibody at 2-8°C.  
DO NOT FREEZE!  
This product is photosensitive and should be protected from light.  
Shelf life: one year from despatch.
- General References:** 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

**For research and in vitro use only. Not for diagnostic or therapeutic work.**

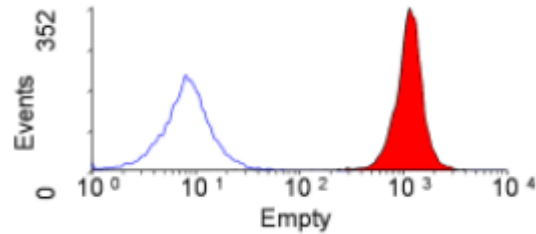
Material Safety Datasheets are available at [www.acris-antibodies.com](http://www.acris-antibodies.com) or on request.

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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:



SM1765R staining of rat peritoneal macrophages.

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