

anti-rat CD172a FITC-conjugated**Cat-No.: R32143F****1 ml****Clone:** MRC OX-41**Specificity:**

This monoclonal antibody recognizes rat SIRP (Signal-Regulatory Protein), a surface protein of about 110kDa. SIRP is selectively expressed by myeloid cells (macrophages, monocytes, granulocytes, dendritic cells) and neurons. The SIRP antigen is a transmembrane glycoprotein with three immunoglobulin-like extracellular domains: an N-terminal V-set domain and two C1-set domains. The SIRP Ig domains are closely related to those of the antigen receptors, Ig, TCR and MHC. The selective expression of this antigen by myeloid and neuronal cells suggests that SIRP is involved in the modulation of myeloid and neuronal cell function.

Isotype subclass: Mouse IgG 2a**Form:**

Purified from ascitic fluid via Protein G Chromatography. FITC- conjugated.

Physical state: Liquid**Buffer/Additives/Preservative:**

PBS containing 1 % BSA and 0.09 % sodium azide (pH 7.4).

Expiration date: The reagent is stable until the expiry date stated on the vial label.**Storage conditions:** Store at 4 °C. Do not freeze. Avoid prolonged exposure to light.**Application:**FACS analysis
Immunofluorescence
Immunocytochemistry
Indirect radioimmunoassays**References:**

1. Robinson, A.P., White, T.M. and Mason, D.W. (1986), Macrophage heterogeneity in the rat as delineated by two monoclonal antibodies MRC OX-41 and MRC OX-42, the latter recognizing complement receptor type 3, *Immunology* 57, 239-247
2. Adams, S., van der Laan, L. J.W., Vernon-Wilson, E., Renardel de Lavalette, C., Dopp, E. A., Dijkstra, C. D., Simmons, D.L. and van der Berg, T. K. (1998), Signal-Regulatory Protein is selectively expressed by myeloid and neuronal cells. *Journal of Immun.* 161, 1853-1859

Warning:

Sodium azide is harmful if swallowed (R22). Keep out of reach of children (S2). Keep away from food, drink and animal feeding stuff (S13). Wear suitable protective clothing (S36). If swallowed, seek medical advice immediately and show this container or label (S46). Contact with acids liberates very toxic gas (R32). Azide compounds should be flushed with large volumes of water during disposal to avoid deposits in lead or copper plumbing where explosive conditions can develop.

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