

anti-rat CD172a (SIRP) FITC-conjugated

FITC- conjugated monoclonal antibody MRC OX-41 to rat CD172a

Cat-No: **23151723**

500 µl

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 IgG2a

Form: The purified antibody is conjugated with Fluoresceinisothiocyanate (FITC) under optimum conditions. The reagent is adjusted for direct use. No reconstitution is necessary.

Physical state: Liquid

Buffer/Additives/Preservative: PBS containing 1 % BSA and 0.09 % sodium azide (pH 7.2).

Expiration date: The reagent is stable until the expiry date stated on the vial label.

Storage conditions: Store at 4 °C. Avoid prolonged exposure to light.

Application: FACS analysis, Immunofluorescence, Immunocytochemistry and 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 feedingstuff (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.

This material is offered for **research only**. Not for use in human. For in vitro use only. ImmunoTools will not be held responsible for patent infringement or other violations that may occur with the use of our products.

ImmunoTools Excellent Quality - Advantageously priced

Altenoyther Str. 10; 26169 Friesoythe; Germany

phone:+49-(0)4491-400997, fax:+49-(0)4491-400998, info@immunotools.com

www.immunotools.com