

## Product datasheet for **SM275P**

### Sirpa Mouse Monoclonal Antibody [Clone ID: OX-41]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	OX-41
Applications:	FC, IHC, WB
Recommended Dilution:	Western Blot. Flow Cytometry: 1/10 - 1/50; Use 10µl of the suggested working dilution to label 10e6 cells in 100µl. Immunohistochemistry on frozen and paraffin sections: This product requires protein digestion pre-treatment of paraffin sections e.g. trypsin or pronase.
Reactivity:	Rat
Host:	Mouse
Isotype:	IgG2a
Clonality:	Monoclonal
Immunogen:	Rat peritoneal macrophages. Spleen cells from immunised BALB/c mice were fused with the NSO/U mouse myeloma cell line.
Specificity:	This antibody recognises CD172a, also known as Signal regulatory protein (SIRP). MRC OX-41 binds to a different epitope on SIRP than ED9. It does not block the interaction of CD172a - CD47.
Formulation:	PBS, pH7.4 containing 0.09% Sodium Azide State: Purified State: Liquid purified IgG
Concentration:	lot specific
Purification:	Affinity chromatography on Protein G
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	signal-regulatory protein alpha



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**Database Link:** [Entrez Gene 25528 Rat P97710](#)

**Background:** CD172a is expressed selectively by myeloid cells and by neurons.

**Synonyms:** SHP substrate 1, SHPS-1, Sirp-alpha-2, Sirp-alpha-3, MyD-1 antigen, p84, BIT, MFR, MYD1, PTPNS1, SHPS1