

## Product datasheet for **SM274FS**

### **Ptpcr Mouse Monoclonal Antibody [Clone ID: OX-1]**

#### **Product data:**

<b>Product Type:</b>	Primary Antibodies
<b>Clone Name:</b>	OX-1
<b>Applications:</b>	FC
<b>Recommended Dilution:</b>	Flow Cytometry: Use 10 µl of Neat antibody to label 10e6 cells in 100 µl.
<b>Reactivity:</b>	Rat
<b>Host:</b>	Mouse
<b>Isotype:</b>	IgG1
<b>Clonality:</b>	Monoclonal
<b>Immunogen:</b>	Rat thymocyte membrane glycoproteins. Spleen cells from immunised BALB/c mice were fused with cells of the NS1 mouse myeloma cell line.
<b>Specificity:</b>	This antibody recognises CD45. Antibodies recognising a common epitope on all of these isoforms are termed CD45, whilst those recognising only individual isoforms are termed CD45RA, CD45RO etc. OX-1 reacts with all forms of CD45 expressed by all haematopoietic cells, except erythrocytes.
<b>Formulation:</b>	PBS containing 0.09% Sodium Azide as preservative and 1% BSA as stabilizer. Label: FITC State: Liquid purified IgG fraction. Label: Fluorescein Isothiocyanate Isomer 1
<b>Concentration:</b>	lot specific
<b>Conjugation:</b>	FITC
<b>Storage:</b>	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. This product is photosensitive and should be protected from light. Avoid repeated freezing and thawing.
<b>Stability:</b>	Shelf life: one year from despatch.
<b>Gene Name:</b>	protein tyrosine phosphatase, receptor type, C
<b>Database Link:</b>	<a href="#">Entrez Gene 24699 Rat P04157</a>



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**Background:** The leucocyte common antigen consists of a family of heavily glycosylated membrane glycoproteins of molecular weight 180 - 240kDa. CD45 isoforms play complex roles in T-cell and B-cell antigen receptor signal transduction.

**Synonyms:** PTPRC, Leukocyte common antigen, L-CA, T200