

Product datasheet for **SM274P**

Ptprc Mouse Monoclonal Antibody [Clone ID: OX-1]

Product data:

Product Type:	Primary Antibodies
Clone Name:	OX-1
Applications:	FC, IHC
Recommended Dilution:	Flow Cytometry: Use 10 µl of 1/100 diluted antibody to label 10e6 cells in 100 µl. Immunofluorescence. Immunohistochemistry on Frozen Sections. The epitope recognized by this antibody is reported to be sensitive to formaldehyde fixation and tissue processing. The use of acetone fixation for frozen sections is recommended.
Reactivity:	Rat
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Rat thymocyte membrane glycoproteins
Specificity:	SM274P recognizes CD45, also known as the leucocyte common antigen (LCA). The leucocyte common antigen consists of a family of heavily glycosylated membrane glycoproteins of molecular weight 180 - 240 kDa. Antibodies recognizing 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. This product is routinely tested by flow cytometry on rat splenocytes.
Formulation:	0.09 % Sodium Azide State: Purified State: Liquid purified Ig fraction from tissue culture supernatant
Concentration:	lot specific
Purification:	Protein G Chromatography
Conjugation:	Unconjugated
Storage:	Store 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.



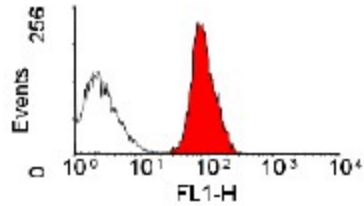
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Gene Name: protein tyrosine phosphatase, receptor type, C

Database Link: [Entrez Gene 24699 Rat P04157](#)

Background: CD45 isoforms play complex roles in T-cell and B-cell antigen receptor signal transduction.

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

Product images:

Staining of rat peripheral blood lymphocytes with MOUSE ANTI RAT CD45.