

Product datasheet for **SM274PX**

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

Product data:

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| Product Type: | Primary Antibodies |
| Clone Name: | OX-1 |
| Applications: | FC, IHC |
| Recommended Dilution: | Flow Cytometry: 1/100; Use 10µl of the suggested working dilution to label 10e6 cells in 100µl. Immunohistochemistry on frozen sections. |
| Reactivity: | Rat |
| Host: | Mouse |
| Isotype: | IgG1 |
| Clonality: | Monoclonal |
| Immunogen: | Rat thymocyte membrane glycoproteins. Spleen cells from BALB/c mice were fused with cells of the NS1 mouse myeloma cell line. |
| Specificity: | 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. |
| Formulation: | State: Purified State: Liquid purified IgG containing 0.09% Sodium Azide |
| 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: | protein tyrosine phosphatase, receptor type, C |
| Database Link: | Entrez Gene 24699 Rat P04157 |



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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 by T-cell and B-cell antigen receptor signal transduction.

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