

## Product datasheet for **SM256PS**

### Cd4 (Domain 2) Mouse Monoclonal Antibody [Clone ID: OX-35]

#### Product data:

|                       |   |
|-----------------------|---|
| Product Type:         | Primary Antibodies  |
| Clone Name:           | OX-35   |
| Applications:         | FC, IHC, IP   |
| Recommended Dilution: | Immunoprecipitation.<br>Immunohistochemistry on frozen sections.<br>Flow Cytometry: 1/10 - 1/50; Use 10µl of the suggested working dilution to label 10e6 cells in 100µl.   |
| Reactivity:           | Rat   |
| Host:                 | Mouse   |
| Isotype:              | IgG2a   |
| Clonality:            | Monoclonal  |
| Immunogen:            | MLR generated rat T helper lymphocytes. Spleen cells from immunised BALB/c mice were fused with cells of the mouse NS1 myeloma cell line.   |
| Specificity:          | This antibody recognises the CD4 cell surface antigen, a 55kD glycoprotein expressed by helper T cells and weakly by monocytes. This antibody recognises a different epitope on the CD4 molecule than the W3/25 monoclonal. |
| Formulation:          | PBS, pH 7.4 containing 0.09% Sodium Azide<br>State: Purified<br>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.<br>Avoid repeated freezing and thawing.   |
| Stability:            | Shelf life: one year from despatch.   |
| Gene Name:            | Cd4 molecule  |
| Database Link:        | <a href="#">Entrez Gene 24932 Rat P05540</a>  |



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**Background:** CD4 is a single chain transmembrane glycoprotein (59 kDa) which belongs to the immunoglobulin superfamily. CD4 is present on a subset of T lymphocytes ("helper/inducer" T cells) and is also expressed at a lower level on monocytes, tissue macrophages and granulocytes. The antigen is involved in binding to MHC class II molecules. The intracellular domain of the antigen is associated with p56lck protein tyrosine kinase.

**Synonyms:** T-cell surface antigen T4/Leu-3