

## Product datasheet for **SM252PS**

### Cd2 Mouse Monoclonal Antibody [Clone ID: OX-34]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	OX-34
Applications:	FC, IHC, IP
Recommended Dilution:	<b>Immunoprecipitation.</b> <b>Flow Cytometry:</b> Use 10 µl of 1/50 diluted antibody to label 10e6 cells in 100 µl. <b>Immunohistochemistry on Frozen and Paraffin Sections.</b>
Reactivity:	Rat
Host:	Mouse
Isotype:	IgG2a
Clonality:	Monoclonal
Immunogen:	Activated Rat T helper cells. Spleen cells from immunised BALB/c mice were fused with cells of the mouse NS1 myeloma cell line.
Specificity:	This antibody recognizes the CD2 cell surface antigen, a 50-54kD glycoprotein expressed by thymocytes and mature T cells.
Formulation:	PBS, pH 7.4 containing 0.09% Sodium Azide State: Purified State: Liquid purified IgG fraction.
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:	Cd2 molecule
Database Link:	<a href="#">Entrez Gene 497761 Rat P08921</a>



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**Background:**

CD2 is a surface antigen of the human T lymphocyte lineage that is expressed on all peripheral blood T cells. It is one of the earliest T cell markers, being present on more than 95% of thymocytes; it is also found on some natural killer cells but not on B lymphocytes. CD2 interacts with lymphocyte function associated antigen (LFA3) and CD48/BCM1 to mediate adhesion between T cells and other cell types. CD2 is implicated in the triggering of T cells, the cytoplasmic domain is implicated in the signaling function. It is useful for the identification of lymphomas and leukaemias of T cell origin.

**Synonyms:**

SRBC, Erythrocyte receptor, LFA-2, LFA-3 receptor, Rosette receptor