

## Product datasheet for **SM2059PS**

### CD4 Mouse Monoclonal Antibody [Clone ID: 44.38]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	44.38
Applications:	FC, IF, IHC, IP
Recommended Dilution:	<b>Immunoprecipitation.</b> <b>Immunocytochemistry.</b> <b>Immunohistochemistry on Frozen Sections.</b> <b>Flow Cytometry:</b> Use 10 µl of 1/50-1/100 diluted antibody to label 10 <sup>6</sup> cells in 100 µl.
Reactivity:	Goat, Sheep
Host:	Mouse
Isotype:	IgG2a
Clonality:	Monoclonal
Immunogen:	Fetal thymocytes. Spleen cells from immunised BALB/c mice were fused with cells of the mouse P3-NS1/1-Ag-4-1 myeloma cell line.
Specificity:	This antibody (Clone 44.38) recognizes the ovine CD4 cell surface glycoprotein, which is expressed by a subset of mature T lymphocytes. This clone will immunoprecipitate a 56kD band under <i>Reducing Conditions</i> .
Formulation:	PBS State: Purified State: Liquid purified IgG fraction from Tissue Culture Supernatant Preservative: 0.09% Sodium Azide
Concentration:	lot specific
Purification:	Affinity Chromatography on Protein G
Conjugation:	Unconjugated
Storage:	Store 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.
Database Link:	<a href="#">P05542</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