

Product datasheet for **SM2059R**

CD4 Mouse Monoclonal Antibody [Clone ID: 44.38]

Product data:

Product Type:	Primary Antibodies
Clone Name:	44.38
Applications:	FC
Recommended Dilution:	Flow Cytometry: Use 10µl of Neat-1/5 diluted antibody to label 10 ⁶ 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 recognises the CD4 cell surface glycoprotein, which is expressed by a subset of mature T lymphocytes.
Formulation:	PBS Label: PE State: Lyophilized purified IgG Stabilizer: 1% BSA, 5% Sucrose Preservative: 0.09% Sodium Azide Label: R. Phycoerythrin (RPE)
Reconstitution Method:	Restore with 1 ml distilled water
Concentration:	lot specific
Purification:	Affinity Chromatography on Protein G
Conjugation:	PE
Storage:	Prior to and following reconstitution store the antibody at 2-8°C. DO NOT FREEZE! This product is photosensitive and should be protected from light.
Stability:	Shelf life: one year from despatch.
Database Link:	P05542



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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