

Product datasheet for **SM255F**

Cd4 (Domain 1) Mouse Monoclonal Antibody [Clone ID: W3/25]

Product data:

Product Type:	Primary Antibodies
Clone Name:	W3/25
Applications:	FC
Recommended Dilution:	Flow cytometry: Use 10 µl of neat-1/10 diluted antibody to label 10e6 cells in 100 µl. Immunohistochemistry on Frozen and Paraffin Embedded Sections. This clone has been described reacting with paraffin-embedded material following PLP fixation (periodate-lysine-paraformaldehyde) (see Ref. 3).
Reactivity:	Rat
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Rat thymocyte membrane preparation.
Specificity:	This antibody recognises the rat CD4 cell surface glycoprotein, a 55 kD molecule expressed by helper T lymphocytes and weakly by monocytes. This antibody inhibits proliferation and IL-2 production in the MLR reaction.
Formulation:	PBS, pH 7.4 with 0.09% Sodium Azide as preservative and 1% BSA as stabilizer. Label: FITC State: Liquid purified IgG fraction. Label: Fluorescein Isothiocyanate Isomer 1
Concentration:	lot specific
Purification:	Affinity Chromatography on Protein G.
Conjugation:	FITC
Storage:	Store the antibody at 2-8°C for one month or (in aliquots) at -20°C for longer. This product is photosensitive and should be protected from light. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	Cd4 molecule



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Database Link: [Entrez Gene 24932 Rat P05540](#)

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