

Product datasheet for **SM255A**

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

Product data:

Product Type:	Primary Antibodies
Clone Name:	W3/25
Applications:	FC, FN, IHC
Recommended Dilution:	Functional Assays. Immunohistochemistry on frozen sections. Immunohistochemistry on paraffin sections. Flow Cytometry: 1/100 - 1/200; Use 10µl of the suggested working dilution to label 10e6 cells in 100µl.
Reactivity:	Rat
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Rat Thymocyte Membrane Glycoproteins.
Specificity:	This antibody recognises the CD4 cell surface glycoprotein, a 55kD molecule expressed by helper T cells and weakly by monocytes. This antibody inhibits proliferation and IL-2 production in the MLR reaction. This clone has been described reacting with paraffin-embedded material following PLP fixation (periodatelysine-paraformaldehyde).
Formulation:	PBS, pH 7.4 State: Azide Free State: Liquid purified IgG
Concentration:	lot specific
Purification:	Affinity chromatography on Protein G
Conjugation:	Unconjugated
Storage:	Store the antibody at -20°C. 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