

Product datasheet for **SM255R**

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).
Reactivity:	Rat
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Rat thymocyte membrane glycoproteins
Specificity:	This antibody recognises the rat CD4 cell surface glycoprotein (Domain 1), a 55 kD molecule expressed by helper T cells and weakly by monocytes. It inhibits proliferation and IL-2 production in the MLR reaction.
Formulation:	PBS, pH 7.4, containing 0.09% sodium azide as preservative and 1% BSA as stabilizer Label: PE State: Lyophilised purified IgG fraction Label: R. Phycoerythrin
Reconstitution Method:	Restore with 1 ml distilled water.
Conjugation:	PE
Storage:	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.
Gene Name:	Cd4 molecule
Database Link:	Entrez Gene 24932 Rat P05540



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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