

Product datasheet for **SM005P**

Cd4 Rat Monoclonal Antibody [Clone ID: YTS191.1]

Product data:

Product Type:	Primary Antibodies
Clone Name:	YTS191.1
Applications:	FC
Recommended Dilution:	Flow cytometry: 1/50 - 1/100; use 10 µl of the suggested working dilution to label 10e6 cells in 100 µl. Immunohistochemistry on frozen sections (3).
Reactivity:	Mouse
Host:	Rat
Isotype:	IgG2b
Clonality:	Monoclonal
Specificity:	This antibody recognises the murine CD4 cell surface antigen, expressed by a subset of T lymphocytes.
Formulation:	PBS, pH 7.4, containing 0.09% sodium azide State: Purified State: Liquid IgG fraction
Concentration:	lot specific
Purification:	Protein G affinity chromatography
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C for up to one month or at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: One year from despatch.
Gene Name:	CD4 antigen
Database Link:	Entrez Gene 12504 Mouse P06332



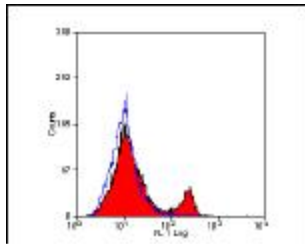
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Background: CD4 is a single chain transmembrane glycoprotein (59 kDa) which belongs to the immunoglobulin superfamily. CD4 is present on a subset of T lymphocytes ("helper/inducer" T cells) and is also expressed at a lower level on monocytes, tissue 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

Note: This clone exhibits depleting activity when used in vivo. We recommend the use of SM005LE for this purpose.

Product images:



Staining of mouse spleen with rat anti mouse CD4 antibody SM005P