

Product datasheet for **SM005LE**

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

Product data:

Product Type:	Primary Antibodies
Clone Name:	YTS191.1
Applications:	FC, FN, IHC
Recommended Dilution:	Flow Cytometry: Use 10µl of 1/100-1/200 diluted antibody to label 10e6 cells in 100 µl. Immunohistochemistry on Frozen Sections. Functional assays.
Reactivity:	Mouse
Host:	Rat
Isotype:	IgG2b
Clonality:	Monoclonal
Specificity:	This antibody recognises the CD4 cell surface antigen, expressed by a subset of T lymphocytes. This clone exhibits depleting activity when used <i>in vivo</i> .
Formulation:	PBS, pH 7.4 without preservatives. State: Low Endotoxin State: Liquid purified IgG fraction.
Concentration:	lot specific
Purification:	Affinity chromatography on Protein G
Conjugation:	Unconjugated
Storage:	Store the antibody at -20°C only. 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:

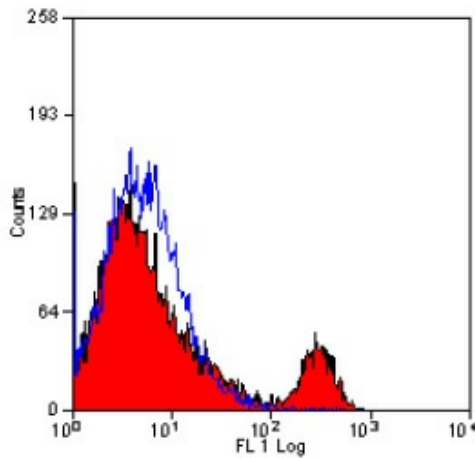
CD4, a single chain transmembrane glycoprotein, is found on a T cell subset (helper/inducer) representing 45 % of peripheral blood lymphocytes. It is also present on 80 % of thymocytes and at a lower level on monocytes. It is involved in recognition of antigen presented along with MHC class II by APCs. It serves as receptor for HIV.

Synonyms:

T-cell surface antigen T4/Leu-3

Note:

Endotoxin Level: less than 0.01 EU/ μ g

Product images:

Staining of mouse spleen with RAT ANTI MOUSE
CD4: LOW ENDOTOXIN