

## Product datasheet for **SM587**

### CD4 Mouse Monoclonal Antibody [Clone ID: CT7]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	CT7
Applications:	FC, IHC
Recommended Dilution:	Immunohistochemistry on Frozen Sections: 1/10-1/100. Flow Cytometry: 1/10-1/100.
Reactivity:	Guinea Pig
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Guinea pig peritoneal T-cells. Spleen cells from immunised BALB/c mice were fused with cells of the X63.Ag8.653 mouse myeloma cell line.
Specificity:	This antibody recognises the CD4 antigen present on T Helper/Inducer lymphocytes.
Formulation:	State: Supernatant State: Concentrated Tissue Culture Supernatant Containing 0.09% Sodium Azide and 1.0% BSA.
Concentration:	lot specific
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Background:	CD4 is a single chain transmembraneous 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:	T4/Leu-3



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