

## Product datasheet for **SM587F**

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

#### Product data:

<b>Product Type:</b>	Primary Antibodies
<b>Clone Name:</b>	CT7
<b>Applications:</b>	FC
<b>Recommended Dilution:</b>	Flow Cytometry: Neat - 1/10; Use 10µl of the suggested working dilution to label 10e6 cells or 100µl whole Guinea Pig peripheral blood.
<b>Reactivity:</b>	Guinea Pig
<b>Host:</b>	Mouse
<b>Isotype:</b>	IgG1
<b>Clonality:</b>	Monoclonal
<b>Immunogen:</b>	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.
<b>Specificity:</b>	This antibody recognises the CD4 antigen present on T Helper/Inducer lymphocytes.
<b>Formulation:</b>	PBS, pH 7.4 containing 0.09% Sodium Azide and 1% Bovine Serum Albumin Label: FITC State: Liquid purified IgG Label: Fluorescein Isothiocyanate Isomer 1
<b>Concentration:</b>	lot specific
<b>Purification:</b>	Affinity chromatography on Protein G
<b>Conjugation:</b>	FITC
<b>Storage:</b>	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing. This product is photosensitive and should be protected from light.
<b>Stability:</b>	Shelf life: one year from despatch.
<b>Background:</b>	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.



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Synonyms: T4/Leu-3