

Product datasheet for **SM1058LE**

CD4 Mouse Monoclonal Antibody [Clone ID: RPA-T4]

Product data:

Product Type:	Primary Antibodies
Clone Name:	RPA-T4
Applications:	FC, FN, IHC
Recommended Dilution:	Functional Assays. Flow Cytometry: Use 10 µl of 1/50-1/100 diluted antibody to label 10 ⁶ cells or 100 µl whole blood. Immunohistochemistry on Frozen Sections: 1/200-1/2000. The epitope recognised by this antibody is reported to be sensitive to formaldehyde fixation and tissue processing. We recommend the use of acetone fixation for frozen sections. <i>Recommended Positive Control:</i> Human lymphatic tissue.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Human PHA blasts. Spleen cells from immunised BALB/c mice were fused with cells of the mouse NS1 myeloma cell line.
Specificity:	This antibody recognises CD4. Epitope mapping studies have shown that clone RPA-T4 recognises an epitope within domain 1 of the extracellular region of the CD4 molecule. Clone RPA-T4 has been reported to block gp120-CD4 interaction and inhibit syncytium formation (See <i>Voehringer, D. et al.</i> for details).
Formulation:	PBS, pH 7.4 State: Low Endotoxin State: Liquid purified IgG fraction Stabilizer: None Preservative: None
Concentration:	lot specific
Purification:	Affinity Chromatography on Protein G
Conjugation:	Unconjugated



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Storage:	Upon receipt, store undiluted (in aliquots) at -20°C. Avoid repeated freezing and thawing.
Stability:	Shelf life: One year from despatch.
Gene Name:	CD4 molecule
Database Link:	Entrez Gene 920 Human P01730
Background:	CD4 is a 55kD cell surface glycoprotein that is expressed primarily on a subpopulation of T lymphocytes and on peripheral blood monocytes and tissue macrophages.
Synonyms:	T-cell surface antigen T4/Leu-3