

## Product datasheet for **AM05638FC-N**

### Cd4 Rat Monoclonal Antibody [Clone ID: RM4-5]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	RM4-5
Applications:	FC
Recommended Dilution:	<b>Flow Cytometry.</b> The Fc region of monoclonal antibodies may bind non-specifically to cells expressing low affinity Fc receptors.
Reactivity:	Mouse
Host:	Rat
Isotype:	IgG2a
Clonality:	Monoclonal
Immunogen:	BALB/c mouse thymocytes.
Specificity:	This antibody detects CD4, a 55 kD protein also known as Ly-4 and L3T4. This antibody Clone RM4-5 is useful for <i>in vitro</i> blocking of ligand binding, as well as <i>in vitro</i> CD4+ T cell depletions.
Formulation:	PBS containing 0.09% Sodium Azide as preservative and 1% BSA as stabilizer. Label: FITC State: Liquid purified IgG fraction. Label: Fluorescein Isothiocyanate Isomer 1
Concentration:	lot specific
Purification:	Affinity Chromatography on Protein G.
Conjugation:	FITC
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. This product is photosensitive and should be protected from light.
Stability:	Shelf life: one year from despatch.
Gene Name:	CD4 antigen
Database Link:	<a href="#">Entrez Gene 12504 Mouse P06332</a>



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**Background:** CD4 is a single chain transmembrane glycoprotein which belongs to the immunoglobulin superfamily, and is primarily expressed on peripheral blood monocytes and tissue macrophages. CD4 is also expressed on a subpopulation of regulatory T cells (CD4+CD25+), which play a key role in the maintenance of self tolerance.

**Synonyms:** T-cell surface antigen T4/Leu-3