

## Product datasheet for **AM05638BT-N**

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

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	RM4-5
Applications:	FC
Recommended Dilution:	Flow Cytometry.
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. The RM4-5 antibody is useful for <i>in vitro</i> blocking of ligand binding, as well as <i>in vitro</i> CD4+ T cell depletions.
Formulation:	Phosphate buffered saline pH7.2 containing 0.09% Sodium Azide (NaN <sub>3</sub> ) and 1% Bovine Serum Albumin Label: Biotin State: Liquid purified IgG
Concentration:	lot specific
Purification:	Affinity chromatography on Protein G
Conjugation:	Biotin
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.
Gene Name:	CD4 antigen
Database Link:	<a href="#">Entrez Gene 12504 Mouse P06332</a>
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.



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