

## Product datasheet for **AM00698BT-N**

### Cd4 Rat Monoclonal Antibody [Clone ID: GK1.5]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	GK1.5
Applications:	FC, IF, IP
Recommended Dilution:	Immunofluorescence. Immunoprecipitation. Flow cytometry (1 µg to stain 1.0 x 10 <sup>6</sup> cells). Useful for studies of T-helper cell functions including blocking of T-helper cell activation.
Reactivity:	Mouse
Host:	Rat
Isotype:	IgG2b
Clonality:	Monoclonal
Immunogen:	Lyt-2-negative T-cell clone 243/2.5
Specificity:	Recognizes a determinant designated L3T4 present on T-cell surface with an apparent molecular mass of 52kDa.
Formulation:	0.01 M PBS, pH 7.4 containing 1 % BSA; 0.09 % Sodium azide Label: Biotin State: Liquid Ig fraction
Concentration:	lot specific
Purification:	Protein A chromatography
Conjugation:	Biotin
Storage:	Store the antibody at 2 - 8 °C. DO NOT FREEZE! Centrifuge vial before opening. 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 (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:**

T-cell surface antigen T4/Leu-3