

Product datasheet for **TA420138**

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

Product data:

Product Type:	Primary Antibodies
Clone Name:	GK1.5
Applications:	ELISA, FC, IF, IHC, IP, WB
Host:	Rat
Isotype:	IgG2b
Clonality:	Monoclonal
Immunogen:	Murine CD4.
Specificity:	CD4
Formulation:	Phosphate buffered saline containing 0.09% Sodium Azide Label: ALEXA FLUOR® 488, ALEXA FLUOR® 647, FITC, Low Endotoxin, Purified, RPE State: Purified IgG prepared by affinity chromatography on Protein G from tissue culture supernatant Purified IgG - liquid
Concentration:	lot specific
Conjugation:	Unconjugated
Storage:	+4°C, -20°C if preferred
Stability:	Shelf life: one year from despatch.
Gene Name:	CD4 antigen
Database Link:	P06332
Background:	Rat anti Mouse CD4 antibody, clone GK1.5 recognizes mouse CD4, a ~55 kDa protein also known as Ly-4 and L3T4. CD4 is a single chain transmembraneous glycoprotein which belongs to the immunoglobulin superfamily, and is primarily expressed on T helper cells, 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. Rat anti Mouse CD4 antibody, clone GK1.5 has been reported to block CD4+ T-cell activation. It blocks class II MHC antigen-specific binding, thereby inhibiting functions such as class II MHC antigen-specific proliferation and the release of lymphokines. It may also be used for in vivo and in vitro cell depletion of CD4+ T-cells.
Synonyms:	L3T4 ANTIGEN, LY-4



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