

Product datasheet for TA386257

CD4 Rabbit Monoclonal Antibody [Clone ID: DB81]

Product data:

Product Type:	Primary Antibodies
Clone Name:	DB81
Applications:	ELISA, FC, Neutralize
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG, kappa
Clonality:	Monoclonal
Immunogen:	This antibody was raised by immunising BALB/c mice with human CD4 complexed with HIV-1 Env (gp120).
Specificity:	<p>This antibody is specific for human CD4, and recognises an epitope in the vicinity of a 13-amino acid loop in domain 2 of CD4. It cross-reacts with chimpanzee CD4, but not baboon or macaque CD4.</p> <p>This antibody preferentially binds to a complex-enhanced epitope on the D2 domain of human CD4. Plasmon resonance analysis has shown that the binding affinity of this antibody to the CD4-gp120 complex is almost one order of magnitude higher than its binding to CD4 alone (Burastero et al, 2011), while ELISA analysis has confirmed that the epitope recognised by this antibody does not involve gp120 (Burastero et al, 2011). This antibody, through a post-binding mechanism, inhibits the cell fusion and replication of a range of HIV-1 strains (Burastero et al, 2011). It does not exert inhibitory effects on T-cell activation in vitro, a useful property for clinical use.</p>
Formulation:	PBS with 0.02% Proclin 300.
Concentration:	lot specific
Conjugation:	Unconjugated
Storage:	Please store at 4°C for up to 3 months. For longer storage, aliquot and store at -20°C. Avoid freeze and thaw cycles.
Stability:	3 years from dispatch.
Gene Name:	CD4 molecule


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Database Link: [Entrez Gene 920 Human P01730](#)

Synonyms: CD4mut

Note: This chimeric rabbit antibody was made using the variable domain sequences of the original Mouse IgG1 format, for improved compatibility with existing reagents, assays and techniques.