

Product datasheet for **TA385821**

CD4 Mouse Monoclonal Antibody [Clone ID: MT310]

Product data:

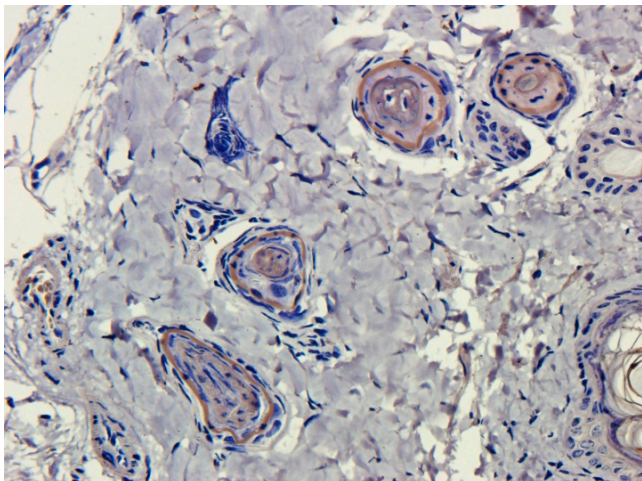
Product Type:	Primary Antibodies
Clone Name:	MT310
Applications:	FC, IF, IHC, IP, WB
Reactivity:	Human, Monkey
Host:	Mouse
Isotype:	IgG1, kappa
Clonality:	Monoclonal
Specificity:	mt310 binds to the extracellular domain D1 of CD4 – the same site as the HIV-1 gp120-binding site

mt310 can inhibit gp120 binding to CD4, which blocks HIV infectivity of CD4+ T lymphocytes, as well as the binding of MHCII, which results in the block of T-cell activation, possibly leading to the induction of anergy. Antibody binding to CD4 additionally causes the induction of GM-CSF, TNF- α (only after 20 h) and IL-10.

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
Database Link:	Entrez Gene 920 Human P01730
Synonyms:	CD4mut



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Product images:

Immunohistochemical staining of guinea pig skin tissue using anti-CD4 antibody (TA385821) MT310. Anti-CD4 staining of formaldehyde fixed paraffin embedded guinea pig skin tissue, at 40x magnification. The mouse IgG1-chimeric version of MT310 (TA385821) was used to stain samples at a concentration of 3 µg/ml.