

Product datasheet for **TA349005**

CD4 Mouse Monoclonal Antibody [Clone ID: 8G1B12]

Product data:

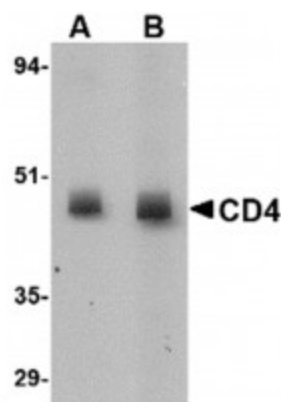
Product Type:	Primary Antibodies
Clone Name:	8G1B12
Applications:	WB
Recommended Dilution:	WB: 0.5 - 1 ug/mL
Reactivity:	Human, Mouse, Rat
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Mouse monoclonal CD4 antibody was raised against a 193 amino acid recombinant protein from near the amino terminus of human CD4.
Formulation:	PBS containing 0.02% sodium azide.
Concentration:	1 mg/ml
Purification:	CD4 Monoclonal Antibody is immunoaffinity chromatography purified IgG.
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	CD4 molecule
Database Link:	NP_000607 Entrez Gene 12504 Mouse Entrez Gene 24932 Rat Entrez Gene 920 Human P01730

Background: CD4 Monoclonal Antibody: CD4 is a member of the immunoglobulin superfamily and is implicated as associative recognition element in MHC (Major Histocompatibility Complex) class II-restricted immune response. On T-lymphocytes, it defines the helper/inducer subset. The mature 55 kd CD4 protein consists of a 372 amino acid extracellular segment composed of four tandem immunoglobulin-like VJ regions. The CD4 molecule is a major receptor for human immunodeficiency virus (HIV), binding directly to the envelope glycoprotein gp120 on HIV, with the co-receptors being CCR5 or CXCR4. It has been shown that the V-like domains are critical for binding with HIV envelope gp120.



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Synonyms:	CD4mut
Protein Families:	Adult stem cells, Druggable Genome, ES Cell Differentiation/IPS, Induced pluripotent stem cells, Transmembrane
Protein Pathways:	Antigen processing and presentation, Cell adhesion molecules (CAMs), Hematopoietic cell lineage, Primary immunodeficiency, T cell receptor signaling pathway

Product images:

Western blot analysis of CD4 in rat lung tissue lysate with CD4 antibody at (A) 0.5 and (B) 1 ug/mL.