

Product datasheet for **TA336281**

CD4 Mouse Monoclonal Antibody [Clone ID: B486A1]

Product data:

Product Type:	Primary Antibodies
Clone Name:	B486A1
Applications:	FC, WB
Recommended Dilution:	WB: 1:500-1:1000, ELISA: 1:100-1:2000, FC: , IHC: 1:10-1:500, IHC-P: 1:10-1:500
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Purified recombinant fragment of human CD4 expressed in E. coli. [UniProt# P01730]
Formulation:	PBS, 0.03% Sodium Azide. Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Concentration:	lot specific
Purification:	Ammonium sulfate precipitation
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 920 Human P01730
Background:	The CD4 antigen is highly expressed on human T helper cells and thymocytes, and at lower levels on monocytes and dendritic cells. This integral membrane glycoprotein of approximately 58 kDa contains four external domains (D1 to D4) that show homology to members of the immunoglobulin (Ig) superfamily It is responsible for the recognition of the MHC class II antigen. The CD4 antibody recognizes most thymocytes and about 65% of peripheral blood T cells.
Synonyms:	CD4mut



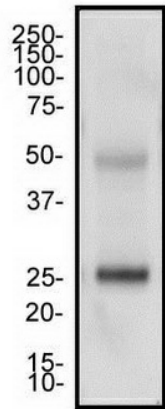
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Note: This CD4 Antibody (B486A1) is useful for Flow Cytometry and ELISA. Other applications have not been tested.

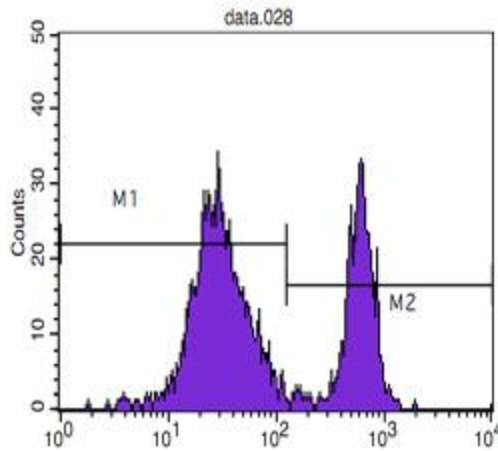
Protein Families: Adult stem cells, Druggable Genome, ES Cell Differentiation/IPS, Induced pluripotent stem cells, Transmembrane

Protein Pathways: Antigen processing and presentation, Cell adhesion molecules (CAMs), Hematopoietic cell lineage, Primary immunodeficiency, T cell receptor signaling pathway

Product images:



Western Blot: CD4 Antibody (B486A1) TA336281 - Western blot analysis of human tonsil tissue using CD4 antibody at a concentration of 2 ug/ml.



Flow Cytometry: CD4 Antibody (B486A1) TA336281 - Flow cytometric analysis of blood T cells using CD4 mouse mAb (M2) and negative control (M1).