

Product datasheet for **TA500479M**

CD4 Mouse Monoclonal Antibody [Clone ID: OTI4A11]

Product data:

Product Type:	Primary Antibodies
Clone Name:	OTI4A11
Applications:	IF, WB
Recommended Dilution:	WB 1:200 - 1:1000, IF 1:100
Reactivity:	Human
Host:	Mouse
Isotype:	IgG2a
Clonality:	Monoclonal
Immunogen:	Full length human recombinant protein of human CD4 (NP_000607) produced in HEK293T cell.
Formulation:	PBS (pH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide.
Concentration:	1 mg/ml
Purification:	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	51.1 kDa
Gene Name:	CD4 molecule
Database Link:	NP_000607 Entrez Gene 920 Human P01730
Background:	Accessory protein for MHC class-II antigen/T-cell receptor interaction. May regulate T-cell activation. Induces the aggregation of lipid rafts.
Synonyms:	CD4mut; IMD79; OKT4D
Protein Families:	Adult stem cells, Druggable Genome, ES Cell Differentiation/IPS, Induced pluripotent stem cells, Transmembrane



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

Product images:

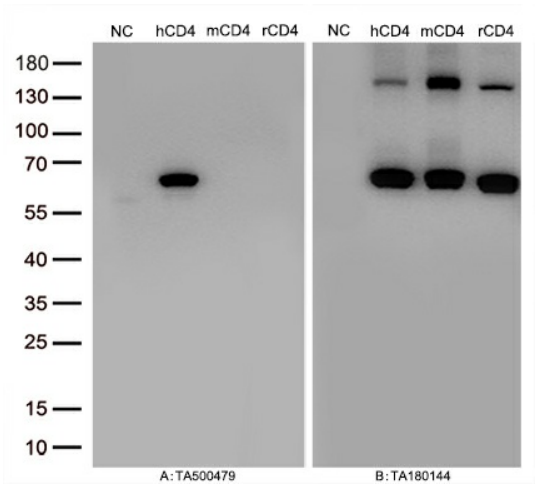
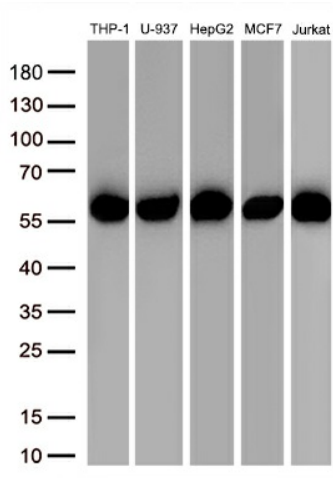
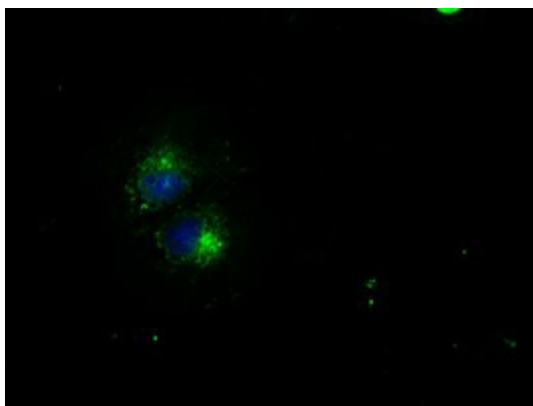


Figure A, Western blot analysis of overexpressed lysates (5ug per lane) from HEK293T cells transfected with empty plasmid ([PS100001], NC), human CD4 plasmid ([RC206453], hCD4), mouse CD4 plasmid ([MR226754], mCD4), rat CD4 plasmid ([RR210599], rCD4) using anti-CD4 antibody [TA500479] (1:20000@1mg/ml). Figure B, Western blot analysis of the same samples as figure A with anti-DDK antibody ([TA180144], 1:20000@1mg/ml)



Western blot analysis of extracts (30ug per lane) from 5 different cell lines lysates by using anti-CD4 antibody([TA500479],1:1000@1mg/ml).



Anti-CD4 mouse monoclonal antibody ([TA500479]) immunofluorescent staining of COS7 cells transiently transfected by pCMV6-ENTRY CD4 ([RC206453]).