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Product datasheet for TA500478

CD4 Mouse Monoclonal Antibody [Clone ID: OTI9C1]

Product data:

Product Type:	Primary Antibodies
Clone Name:	OTI9C1
Applications:	WB
Recommended Dilution:	WB 1:1000~2000
Reactivity:	Human, Dog, Rat, Monkey
Host:	Mouse
Isotype:	IgG1
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:	1.2 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 24932 RatEntrez Gene 403931 DogEntrez Gene 713807 MonkeyEntrez 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

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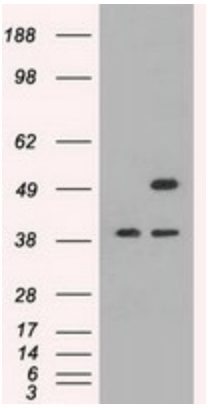
Protein Families: Adult stem cells, Druggable Genome, ES Cell Differentiation/IPS, Induced pluripotent stem cells, Transmembrane

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

Product images:



HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY CD4 ([RC206453], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-CD4. Positive lysates [LY400209] (100ug) and [LC400209] (20ug) can be purchased separately from OriGene.