

Product datasheet for **TA500477**

CD4 Mouse Monoclonal Antibody [Clone ID: OTI10B5]

Product data:

| | |
|-------------------------|---|
| Product Type: | Primary Antibodies |
| Clone Name: | OTI10B5 |
| Applications: | WB |
| Recommended Dilution: | WB 1:1000~2000, IHC 1:50 |
| 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 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 Rat Entrez Gene 403931 Dog Entrez Gene 713807 Monkey 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 |

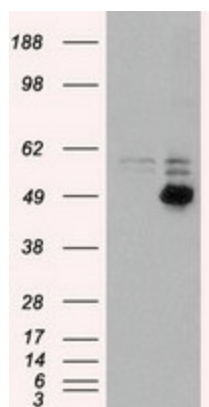


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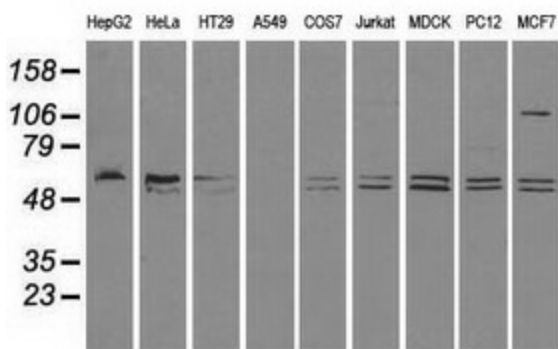
Protein Families: Adult stem cells, Druggable Genome, ES Cell Differentiation/IPS, Induced pluripotent stem cells, Transmembrane

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 (Cat# [PS100001], Left lane) or pCMV6-ENTRY CD4 (Cat# [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 (Cat# TA500477). Positive lysates [LY400209] (100ug) and [LC400209] (20ug) can be purchased separately from OriGene.



Western blot analysis of extracts (35ug) from 9 different cell lines by using anti-CD4 monoclonal antibody.