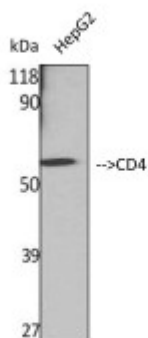


Anti-CD4 antibody



Description	Rabbit polyclonal to CD4.
Model	STJ92127
Host	Rabbit
Reactivity	Human, Mouse
Applications	ELISA, IF, IHC, WB
Immunogen	Synthesized peptide derived from human CD4 around the non-phosphorylation site of S433.
Immunogen Region	370-450 aa
Gene ID	920
Gene Symbol	CD4
Dilution range	WB 1:500-1:2000IHC 1:100-1:300IF 1:200-1:1000ELISA 1:5000
Specificity	CD4 Polyclonal Antibody detects endogenous levels of CD4 protein.
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Note	For Research Use Only (RUO).
Protein Name	T-cell surface glycoprotein CD4 T-cell surface antigen T4/Leu-3 CD antigen CD4
Molecular Weight	55 kDa
Clonality	Polyclonal
Conjugation	Unconjugated

Isotype	IgG
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Concentration	1 mg/ml
Storage Instruction	Store at -20°C, and avoid repeat freeze-thaw cycles.
Database Links	HGNC:1678 OMIM:186940
Alternative Names	T-cell surface glycoprotein CD4 T-cell surface antigen T4/Leu-3 CD antigen CD4
Function	Accessory protein for MHC class-II antigen/T-cell receptor interaction. May regulate T-cell activation. Induces the aggregation of lipid rafts.; (Microbial infection) Acts as a receptor for human immunodeficiency virus-1 . Down-regulated by HIV-1 Vpu . Acts as a receptor for Human Herpes virus 7/HHV-7 .
Cellular Localization	Cell membrane. Localizes to lipid rafts. Removed from plasma membrane by HIV-1 Nef protein that increases clathrin-dependent endocytosis of this antigen to target it to lysosomal degradation. Cell surface expression is also down-modulated by HIV-1 Envelope polyprotein gp160 that interacts with, and sequesters CD4 in the endoplasmic reticulum.
Post-translational Modifications	Palmitoylation and association with LCK contribute to the enrichment of CD4 in lipid rafts.

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