

For Research Use Only

CD4 Recombinant antibody

Catalog Number: 83513-6-RR



Basic Information

Catalog Number: 83513-6-RR	GenBank Accession Number: BC025782	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 ug/ml by Nanodrop;	GeneID (NCBI): 920	CloneNo.: 240427B10
Source: Rabbit	ENSEMBL Gene ID: ENSG00000010610	Recommended Dilutions: WB 1:2000-1:10000
Isotype: IgG	UNIPROT ID: P01730	
	Full Name: CD4 molecule	
	Calculated MW: 55 kDa	
	Observed MW: 55-60 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : U-937 cells,
Species Specificity: human	

Background Information

CD4 is a 55-kDa transmembrane glycoprotein expressed on T helper cells, the majority of thymocytes, monocytes, macrophages, and dendritic cells (PMID: 9304802; 12213222). CD4 is an accessory protein for MHC class-II antigen/T-cell receptor interaction. It plays an important role in T helper cell development and activation (PMID: 9539765; 3112582). CD4 serves as a receptor for the human immunodeficiency virus (HIV) (PMID: 9304802).

Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

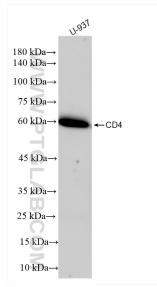
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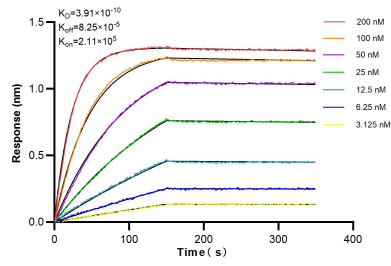
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Selected Validation Data



U-937 cells were subjected to SDS PAGE followed by western blot with 83513-6-RR (CD4 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



Biolayer interferometry (BLI) kinetic assays of 83513-6-RR against Human CD4 were performed. The affinity constant is 0.391 nM.