

For Research Use Only

CD4 Recombinant antibody

Catalog Number: 83513-7-RR **1 Publications**



Basic Information

Catalog Number: 83513-7-RR	GenBank Accession Number: BC025782	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 ug/ml by Nanodrop;	GeneID (NCBI): 920	CloneNo.: 240427E12
Source: Rabbit	ENSEMBL Gene ID: ENSG00000010610	Recommended Dilutions: WB 1:1000-1:4000 IF/ICC 1:125-1:500
Isotype: IgG	UNIPROT ID: P01730	
	Full Name: CD4 molecule	
	Calculated MW: 55 kDa	
	Observed MW: 55 kDa	

Applications

Tested Applications: WB, IF/ICC, ELISA	Positive Controls: WB : U-937 cells, THP-1 cells
Cited Applications: IF	IF/ICC : THP-1 cells,
Species Specificity: Human	
Cited Species: 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).

Notable Publications

Author	Pubmed ID	Journal	Application
Wenzhao Su	39558398	J Transl Med	IF

Storage

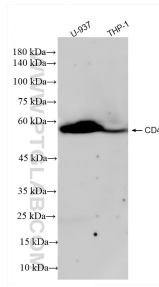
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

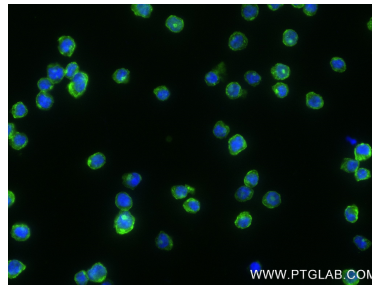
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
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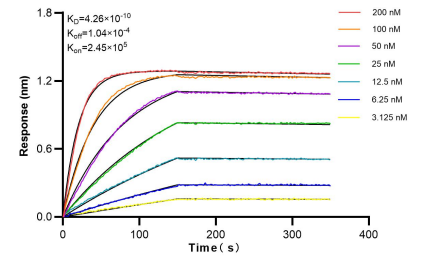
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 83513-7-RR (CD4 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (4% PFA) fixed THP-1 cells using CD4 antibody (83513-7-RR, Clone: 240427E12) at dilution of 1:250 and CoraLite®488-Conjugated Goat Anti-Mouse IgG(H+L) (SA00013-1).



Biacore BLI kinetic assays of 83513-7-RR against Human CD4 were performed. The affinity constant is 0.426 nM.