

# CD4 Recombinant monoclonal antibody

Catalog Number: 86300-3-RR

## Basic Information

Catalog Number:	86300-3-RR	GenBank Accession Number:	NM_013488	Purification Method:	Protein A purification
Source:	Rabbit	GenID (NCBI):	12504	CloneNo.:	250263G12
Isotype:	IgG	UNIPROT ID:	P06332	Recommended Dilutions:	WB: 1:1000-1:6000 IHC: 1:500-1:2000 IF-P: 1:500-1:2000
Immunogen Catalog Number:	EG3847	Full Name:	CD4 antigen		
		Calculated MW:	51 kDa		
		Observed MW:	55 kDa		

## Applications

Tested Applications:	WB, IHC, IF-P, ELISA	Positive Controls:	
Species Specificity:	mouse	WB:	mouse thymus tissue, mouse spleen tissue
	<b>Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0</b>	IHC:	mouse spleen tissue, mouse thymus tissue
		IF-P:	mouse thymus tissue, mouse spleen tissue

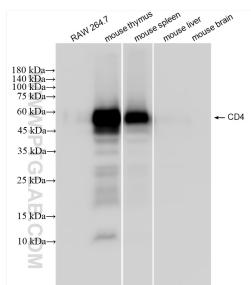
## Background Information

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, pH7.3  
Aliquoting is unnecessary for -20°C storage

## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 86300-3-RR (CD4 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.

