

For Research Use Only

Mouse CD4 Recombinant monoclonal antibody, PBS Only

Catalog Number: 86300-3-PBS



Basic Information

Catalog Number:	86300-3-PBS	GenBank Accession Number:	NM_013488	Purification Method:	Protein A purification
Size:	100ug, Concentration: 1 mg/ml by Nanodrop;	GenID (NCBI):	12504	CloneNo.:	250263G12
Source:	Rabbit	UNIPROT ID:	P06332		
Isotype:	IgG	Full Name:	CD4 antigen		
Immunogen Catalog Number:	EG3847	Calculated MW:	51 kDa		
		Observed MW:	55 kDa		

Applications

Tested Applications:
WB, IHC, IF-P, Indirect ELISA

Species Specificity:
mouse

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).

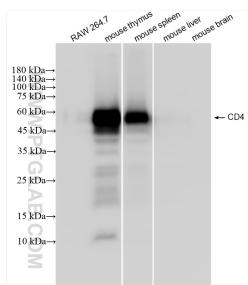
Storage

Storage:
Store at -80°C.
Storage Buffer:
PBS only, pH7.3

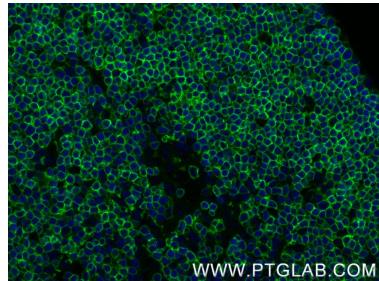
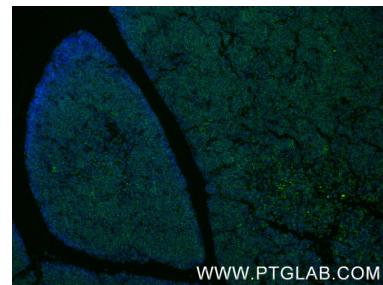
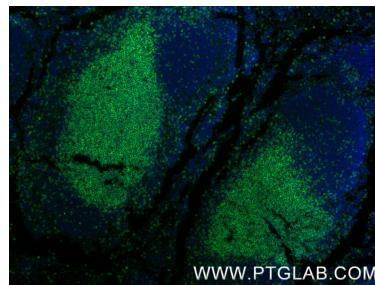
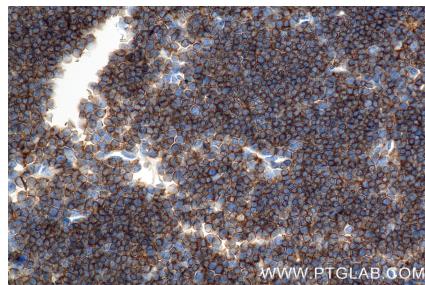
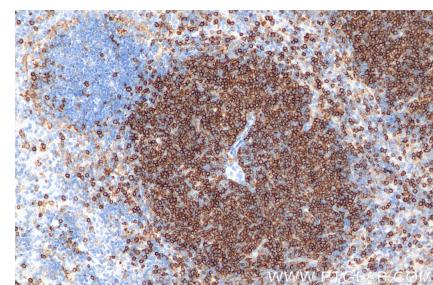
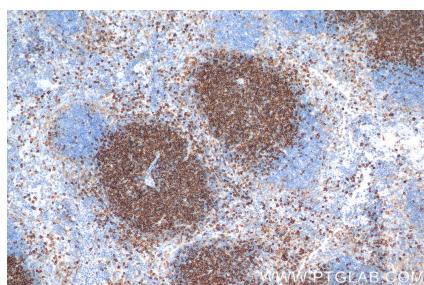
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Selected Validation Data



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. This data was developed using the same antibody clone with 86300-3-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed paraffin-embedded mouse thymus tissue using CD4 antibody (86300-3-RR, Clone: 250263G12) at dilution of 1:1000 and Coralite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 86300-3-PBS in a different storage buffer formulation.