

For Research Use Only

CD3EAP Recombinant antibody

Catalog Number: 84139-5-RR



Basic Information

Catalog Number: 84139-5-RR	GenBank Accession Number: BC038992	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 10849	CloneNo.: 241379E2
Source: Rabbit	UNIPROT ID: O15446	Recommended Dilutions: IF/ICC 1:125-1:500
Isotype: IgG	Full Name: CD3e molecule, epsilon associated protein	
Immunogen Catalog Number: AG35074	Calculated MW: 510 aa, 55 kDa	
	Observed MW: 80-90 kDa	

Applications

Tested Applications: IF/ICC, ELISA	Positive Controls: IF/ICC : A431 cells,
Species Specificity: human	

Background Information

Human RNA polymerase I (Pol I)-specific subunit, previously identified as ASE-1 and as CD3E-associated signal transducer (CAST). CD3EAP is a 55 kDa nucleolar autoantigen that has an apparent molecular mass of 90 kDa (PMID: 11199923). CD3EAP/hPAF49 contains a single tyrosine residue at position 82 (Tyr82), which is phosphorylated upon stimulation of the T-cell receptor. Western blot analysis detected CD3EAP at an apparent molecular mass of ~80-90 kDa.

Storage

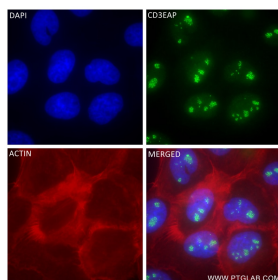
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

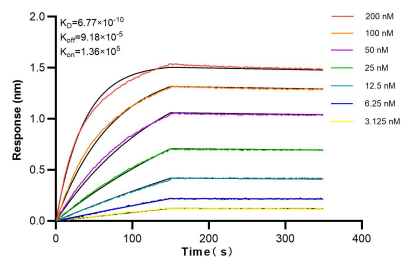
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
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Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed A431 cells using CD3EAP antibody (84139-5-RR, Clone: 241379E2) at dilution of 1:250 and CoraLite@488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-Phalloidin (red).



Biolayer interferometry (BLI) kinetic assays of 84139-5-RR against Human CD3EAP were performed. The affinity constant is 0.677 nM.