

For Research Use Only

# CD3EAP Recombinant antibody, PBS Only

Catalog Number: 84139-5-PBS



## Basic Information

<b>Catalog Number:</b> 84139-5-PBS	<b>GenBank Accession Number:</b> BC038992	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ug, Concentration: 1 mg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 10849	<b>CloneNo.:</b> 241379E2
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> O15446	
<b>Isotype:</b> IgG	<b>Full Name:</b> CD3e molecule, epsilon associated protein	
<b>Immunogen Catalog Number:</b> AG35074	<b>Calculated MW:</b> 510 aa, 55 kDa	
	<b>Observed MW:</b> 80-90 kDa	

## Applications

**Tested Applications:**  
IF/ICC, Indirect ELISA

**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 -80°C.

**Storage Buffer:**  
PBS Only

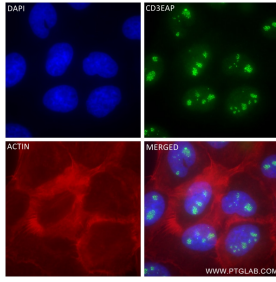
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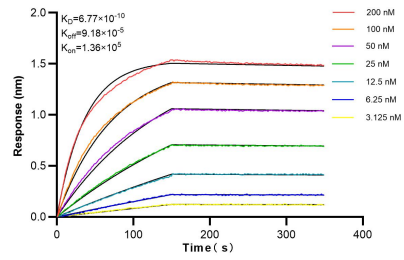
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## Selected Validation Data



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). This data was developed using the same antibody clone with 84139-5-PBS in a different storage buffer formulation.



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