

For Research Use Only

# CoraLite® Plus 488-conjugated CD3EAP Recombinant antibody

Catalog Number: CL488-84139-5



## Basic Information

<b>Catalog Number:</b> CL488-84139-5	<b>GenBank Accession Number:</b> BC038992	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ul , Concentration: 1000 ug/ml by Nanodrop;	<b>GeneID (NCBI):</b> 10849	<b>CloneNo.:</b> 241379E2
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> O15446	<b>Recommended Dilutions:</b> IF/ICC 1:50-1:500
<b>Isotype:</b> IgG	<b>Full Name:</b> CD3e molecule, epsilon associated protein	<b>Excitation/Emission maxima wavelengths:</b> 493 nm / 522 nm
<b>Immunogen Catalog Number:</b> AG35074	<b>Calculated MW:</b> 510 aa, 55 kDa	
	<b>Observed MW:</b> 80-90 kDa	

## Applications

<b>Tested Applications:</b> IF/ICC	<b>Positive Controls:</b> IF/ICC : A431 cells,
<b>Species Specificity:</b> 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

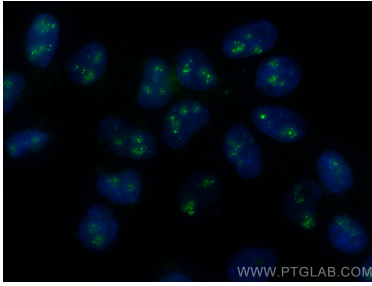
**Storage:**  
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.  
Aliquoting is unnecessary for -20°C storage

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](mailto:proteintech@ptglab.com)  
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## Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed A431 cells using CoraLite® Plus 488 CD3EAP antibody (CL488-84139-5, Clone: 241379E2 ) at dilution of 1:200.