

For Research Use Only

CD3EAP Recombinant antibody, PBS Only (Capture)

Catalog Number: 84139-4-PBS



Basic Information

Catalog Number: 84139-4-PBS	GenBank Accession Number: BC038992	Purification Method: Protein A purification
Size: 1 mg/ml	GeneID (NCBI): 10849	CloneNo.: 241379H5
Source: Rabbit	UNIPROT ID: O15446	
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:
WB, FC (Intra), Cytometric bead array, Indirect ELISA

Species Specificity:
human

Background Information

Human RNA polymerase I (Pol I)-specific subunit, previously identified as ASE-1 and as CD3 -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.
The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:
PBS Only

For technical support and original validation data for this product please contact:

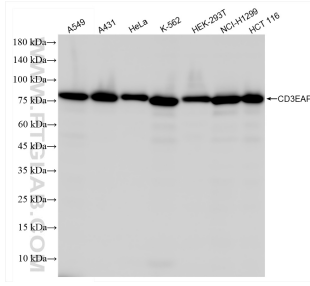
T: 4006900926

E: Proteintech-CN@ptglab.com

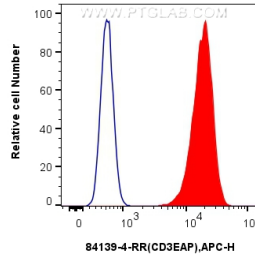
W: ptgcn.com

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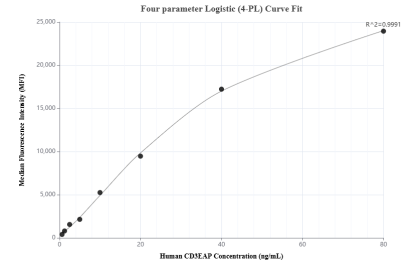
Selected Validation Data



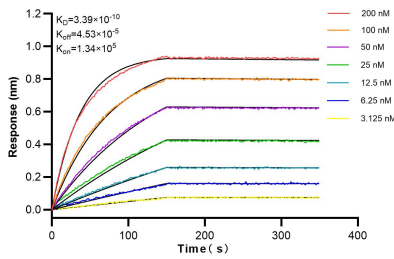
Various lysates were subjected to SDS PAGE followed by western blot with 84139-4-RR (CD3EAP antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 84139-4-PBS in a different storage buffer formulation.



1x10⁶ U2OS cells were intracellularly stained with 0.25 ug CD3EAP Recombinant antibody (84139-4-RR, Clone:241379H5) and APC-Conjugated Goat Anti-Rabbit IgG(H+L)(red), or 0.25 ug Isotype Control (blue). Cells were fixed and permeabilized with True-Nuclear Transcription Factor Buffer Set. This data was developed using the same antibody clone with 84139-4-PBS in a different storage buffer formulation.



Cytometric bead array standard curve of MP01056-3, CD3EAP Recombinant Matched Antibody Pair, PBS Only. Capture antibody: 84139-4-PBS. Detection antibody: 84139-2-PBS. Standard: Ag35074. Range: 0.625-80 ng/mL.



Bi-layer interferometry (BLI) kinetic assays of 84139-4-RR against Human CD3EAP were performed. The affinity constant is 0.339 nM.