

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: 100ug, Concentration: 1 mg/ml by Nanodrop;	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

Product Information

84139-4-PBS targets CD3EAP as part of a matched antibody pair:

MP01056-3: 84139-4-PBS capture and 84139-2-PBS detection (validated in Cytometric bead array)

Unconjugated rabbit recombinant monoclonal antibody in PBS only (BSA and azide free) storage buffer at a concentration of 1 mg/mL, ready for conjugation. Created using Proteintech's proprietary in-house recombinant technology. Recombinant production enables unrivalled batch-to-batch consistency, easy scale-up, and future security of supply.

This conjugation ready format makes antibodies ideal for use in many applications including: ELISAs, multiplex assays requiring matched pairs, mass cytometry, and multiplex imaging applications. Antibody use should be optimized by the end user for each application and assay.

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.

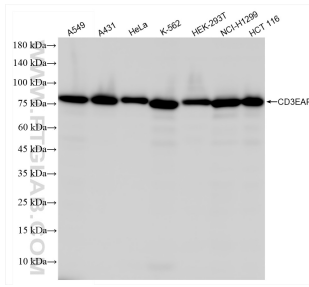
Storage

Storage:
Store at -80°C.
Storage Buffer:
PBS Only

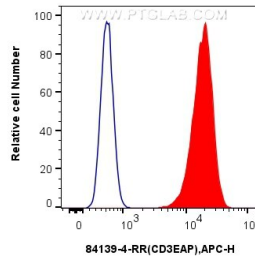
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA) E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

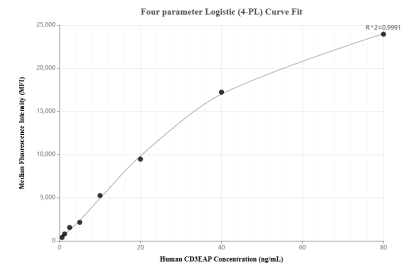
Selected Validation Data



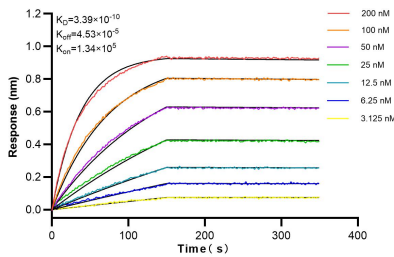
Various lysates were subjected to SDS PAGE followed by western blot with 84139-4-RR (CD3EAP antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 84139-4-PBS in a different storage buffer formulation.



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.