

For Research Use Only

# CD3EAP Recombinant antibody

Catalog Number: 84139-4-RR



## Basic Information

Catalog Number:

84139-4-RR

Size:

100ul, Concentration: 1000 µg/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG35074

GenBank Accession Number:

BC038992

GeneID (NCBI):

10849

UNIPROT ID:

O15446

Full Name:

CD3e molecule, epsilon associated protein

Calculated MW:

510 aa, 55 kDa

Observed MW:

80-90 kDa

Purification Method:

Protein A purification

CloneNo.:

241379H5

Recommended Dilutions:

WB 1:5000-1:50000

## Applications

Tested Applications:

WB, FC (Intra), ELISA

Species Specificity:

human

Positive Controls:

WB : A549 cells, A431 cells, HeLa cells, K-562 cells, HEK-293T cells, NCI-H1299 cells, HCT 116 cells

## 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

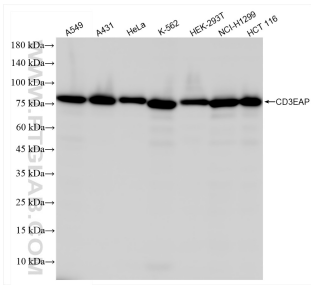
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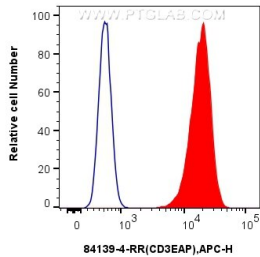
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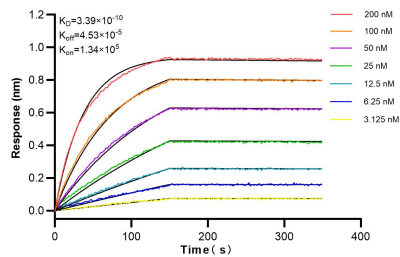
## Selected Validation Data



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.



1x10<sup>6</sup> 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.



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