

For Research Use Only

Rat CD3 epsilon/CD3e Recombinant antibody, PBS Only (Capture)

Catalog Number: 86053-3-PBS



Basic Information

Catalog Number: 86053-3-PBS	GenBank Accession Number: NP_001101610.2	Purification Method: Protein A purification
Size: 100ug , Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 315609	CloneNo.: 242849C11
Source: Rabbit	UNIPROT ID: A6J423	
Isotype: IgG	Full Name: CD3 molecule, epsilon polypeptide	
Immunogen Catalog Number: EG1450	Calculated MW: 22kDa	

Applications

Tested Applications:
Cytometric bead array, Sandwich ELISA, Indirect ELISA, Sample test

Species Specificity:
rat

Product Information

86053-3-PBS targets CD3 epsilon/CD3e as part of a matched antibody pair:

MP02251-1: 86053-3-PBS capture and 86053-2-PBS detection (validated in Cytometric bead array)

MP02251-2: 86053-3-PBS capture and 86053-1-PBS detection (validated in Sandwich ELISA)

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.

Storage

Storage:
Store at -80°C.
Storage Buffer:
PBS only, pH7.3

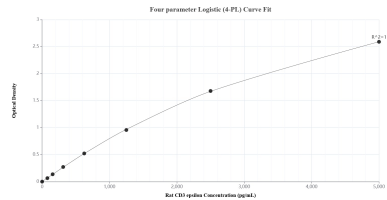
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

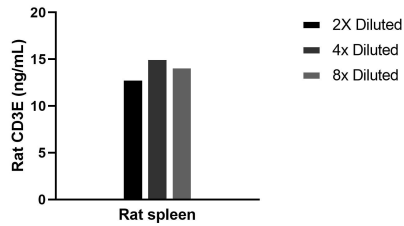
E: proteintech@ptglab.com
W: ptglab.com

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

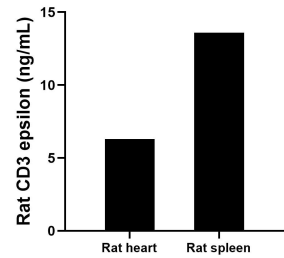
Selected Validation Data



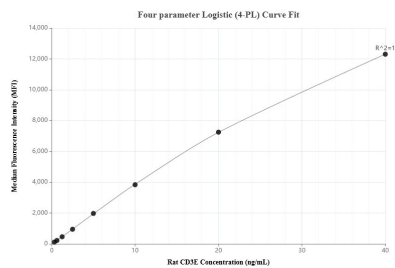
Sandwich ELISA standard curve of MP02251-2, Rat CD3 epsilon Recombinant Matched Antibody Pair - PBS only. 86053-3-PBS was coated to a plate as the capture antibody and incubated with serial dilutions of standard Eg1450. 86053-1-PBS was HRP conjugated as the detection antibody. Range: 78.1-5000 pg/mL.



The mean CD3E/CD3 epsilon concentration was determined to be 14.1 ng/mL in Rat spleen tissue extract based on a 2.7 mg/mL extract load.



The mean CD3 epsilon concentration was determined to be 6.3 ng/mL in rat heart tissue extract based on a 6.7 mg/mL extract load and 13.6 ng/mL in rat spleen tissue extract based on a 2.7 mg/mL extract load.



Cytometric bead array standard curve of MP02251-1, RAT CD3E/CD3 epsilon Recombinant Matched Antibody Pair, PBS Only. Capture antibody: 86053-3-PBS. Detection antibody: 86053-2-PBS. Standard: Eg1450. Range: 0.313-40 ng/mL.