

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
Size:	100ug, Concentration: 1 mg/ml by Nanodrop;	GenID (NCBI):	315609
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.

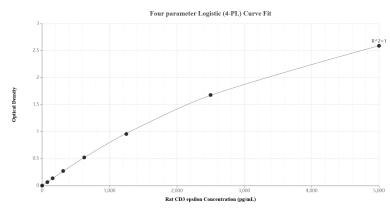
## Storage

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

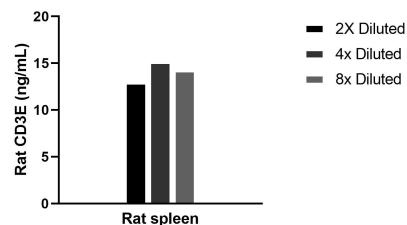
For technical support and original validation data for this product please contact:  
T: 1(888) 4PTGLAB (1-888-478-4522) (toll free  
in USA), or 1(312) 455-8498 (outside USA)      E: proteintech@ptglab.com  
W: ptglab.com

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

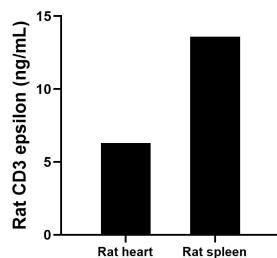
## Selected Validation Data



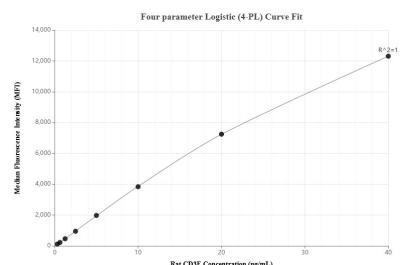
Sandwich ELISA standard curve of MP02251-2, Rat CD3 epsilon Recombinant Matched Antibody Pair - PBS only. 86053-3-PBS was coated to a plate as the capture antibody and incubated with serial dilutions of standard Eg1450. 86053-1-PBS was HRP conjugated as the detection antibody. Range: 78.1-5000 pg/mL.



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.