

CD3 epsilon Recombinant monoclonal antibody

Catalog Number: 86053-1-RR

Basic Information

Catalog Number:	86053-1-RR	GenBank Accession Number:	NP_001101610.2	Purification Method:	Protein A purification
Source:	Rabbit	GenID (NCBI):	315609	CloneNo.:	242849D3
Isotype:	IgG	UNIPROT ID:	A61423	Recommended Dilutions:	WB: 1:2000-1:10000 IHC: 1:500-1:2000 IF-P: 1:500-1:2000
Immunogen Catalog Number:	EG1450	Full Name:	CD3 molecule, epsilon polypeptide	Calculated MW:	22kDa
				Observed MW:	22 kDa

Applications

Tested Applications:

WB, IHC, IF-P, ELISA

Species Specificity:

mouse, rat

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB: rat thymus tissue, CTLL-2 cells, mouse thymus tissue, rat spleen tissue

IHC: rat spleen tissue, rat thymus tissue

IF-P: rat thymus tissue, rat spleen tissue

Background Information

CD3 is a multimeric protein associated with the T-cell receptor (TCR) to form a complex involved in antigen recognition and signal transduction (PMID: 15885124). CD3 is composed of CD3 γ , δ , ϵ , and ζ chains (PMID: 1826255). It is expressed by thymocytes in a developmentally regulated manner, T cells, and some NK cells (PMID: 3289580). The TCR recognizes antigens bound to major histocompatibility complex (MHC) molecules. TCR-mediated peptide-MHC recognition is transmitted to the CD3 complex, leading to the intracellular signal transduction (PMID: 11985657). This antibody was raised against the epsilon chain of rat CD3 molecule.

Storage

Storage:

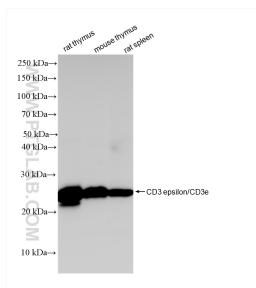
Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 86053-1-RR (CD3 epsilon/CD3e antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.

