

CD3 gamma Recombinant monoclonal antibody

Catalog Number: 87861-1-RR

Basic Information

Catalog Number: 87861-1-RR	GenBank Accession Number: NM_009850.2	Purification Method: Protein A purification
Source: Rabbit	GeneID (NCBI): 12502	CloneNo.: 253421H4
Isotype: IgG	UNIPROT ID: P11942	Recommended Dilutions: WB: 1:5000-1:50000 IHC: 1:1000-1:4000
Immunogen Catalog Number: EG1402	Full Name: CD3 antigen, gamma polypeptide	
	Calculated MW: 20 kDa	
	Observed MW: 20 kDa	

Applications

Tested Applications: WB, IHC, ELISA	Positive Controls:
Species Specificity: mouse	WB : mouse spleen tissue, mouse thymus tissue
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	IHC : mouse spleen tissue,

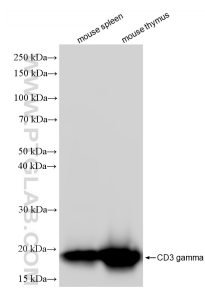
Background Information

CD3 is a complex of proteins that directly associates with the T cell receptor (TCR). The TCR/CD3 complex of T-lymphocytes consists of either a TCR alpha/beta or TCR gamma/delta heterodimer coexpressed at the cell surface with the invariant subunits of CD3 labeled gamma, delta, epsilon, zeta, and eta. 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. CD3 is considered to be a pan-T cell marker for detection of normal and neoplastic T cells.

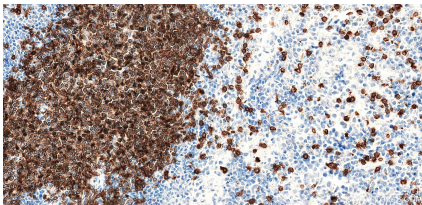
Storage

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

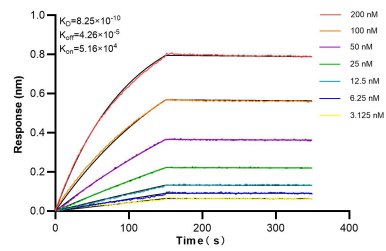
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 87861-1-RR (CD3 gamma antibody) at dilution of 1:30000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse spleen tissue slide using 87861-1-RR (CD3 gamma antibody) at dilution of 1:2000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Biolayer interferometry (BLI) kinetic assays of 87861-1-RR against Mouse CD3 gamma were performed. The affinity constant is 0.825 nM.