

For Research Use Only

Mouse CD3 gamma Recombinant monoclonal antibody, PBS Only

Catalog Number: 87861-1-PBS



Basic Information

Catalog Number: 87861-1-PBS	GenBank Accession Number: NM_009850.2	Purification Method: Protein A purification
Size: 100ug , Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 12502	CloneNo.: 253421H4
Source: Rabbit	UNIPROT ID: P11942	
Isotype: IgG	Full Name: CD3 antigen, gamma polypeptide	
Immunogen Catalog Number: EG1402	Calculated MW: 20 kDa	
	Observed MW: 20 kDa	

Applications

Tested Applications:
WB, IHC, Indirect ELISA

Species Specificity:
mouse

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

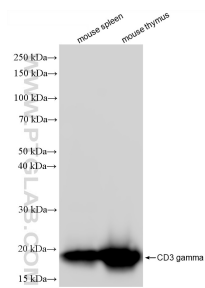
Storage:
Store at -80°C.

Storage Buffer:
PBS only, pH7.3

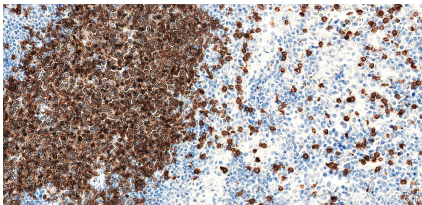
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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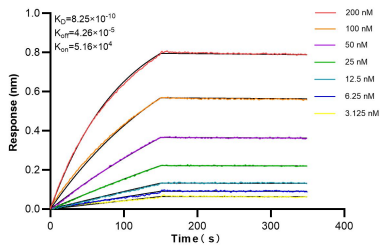
Selected Validation Data



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. This data was developed using the same antibody clone with 87861-1-PBS in a different storage buffer formulation.



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). This data was developed using the same antibody clone with 87861-1-PBS in a different storage buffer formulation.



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