

CD3 Delta Monoclonal antibody

Catalog Number: 60194-1-Ig

Basic Information

Catalog Number: 60194-1-Ig	GenBank Accession Number: BC070321	Purification Method: Protein G purification
Size: 150ul , Concentration: 1400 ug/ml by Nanodrop and 1000 ug/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 915	CloneNo.: 3A12H2
Source: Mouse	UNIPROT ID: P04234	Recommended Dilutions: WB 1:500-1:2000
Isotype: IgG1	Full Name: CD3d molecule, delta (CD3-TCR complex)	
Immunogen Catalog Number: AG10207	Calculated MW: 171 aa, 19 kDa	
	Observed MW: 25 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : jurkat cells,
Species Specificity: human, 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. CD3 delta/CD3D is a single-pass type I membrane protein which consists of an extracellular domain of 84 amino acids, a transmembrane region, and a cytoplasmic domain of 45 amino acids. Defects in CD3 delta are a cause of severe combined immunodeficiency.

Storage

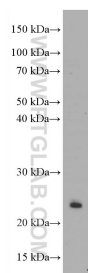
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

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
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Selected Validation Data



jurkat cells were subjected to SDS PAGE followed by western blot with 60194-1-Ig (CD3 delta antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.