

For Research Use Only

CD3 Delta Monoclonal antibody, PBS Only (Capture)

Catalog Number: 60194-1-PBS



Basic Information

Catalog Number: 60194-1-PBS	GenBank Accession Number: BC070321	Purification Method: Protein A purification
Size: 100ug, Concentration: 1mg/ml by Nanodrop;	GeneID (NCBI): 915	CloneNo.: 3A12H2
Source: Mouse	UNIPROT ID: P04234	
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, Cytometric bead array, Indirect ELISA

Species Specificity:
human, mouse

Product Information

60194-1-PBS targets CD3 Delta as part of a matched antibody pair:

MP50691-2: 60194-1-PBS capture and 60194-4-PBS detection (validated in Cytometric bead array)

Unconjugated mouse monoclonal antibody pair in PBS only (BSA and azide free) storage buffer at a concentration of 1 mg/mL, ready for conjugation.

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.

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 -80°C.

Storage Buffer:
PBS Only

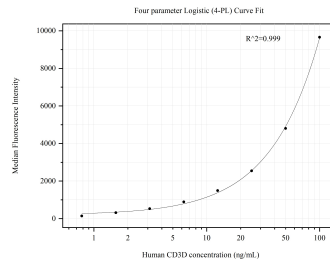
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA) E: proteintech@ptglab.com
W: ptglab.com

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

Selected Validation Data



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. This data was developed using the same antibody clone with 60194-1-PBS in a different storage buffer formulation.



Cytometric bead array standard curve of MP50691-2, CD3D/CD3 Delta Monoclonal Matched Antibody Pair, PBS Only. Capture antibody: 60194-1-PBS. Detection antibody: 60194-4-PBS. Standard: Ag10207. Range: 0.781-100 ng/mL.