

For Research Use Only

# CD3 Delta Polyclonal antibody, PBS Only

Catalog Number: 16669-1-PBS



## Basic Information

<b>Catalog Number:</b> 16669-1-PBS	<b>GenBank Accession Number:</b> BC070321	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 100ug, Concentration: 1 mg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 915	
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> P04234	
<b>Isotype:</b> IgG	<b>Full Name:</b> CD3d molecule, delta (CD3-TCR complex)	
<b>Immunogen Catalog Number:</b> AG10148	<b>Calculated MW:</b> 171 aa, 19 kDa	
	<b>Observed MW:</b> 20-25 kDa	

## Applications

**Tested Applications:**  
WB, IF-P, IP, Indirect ELISA

**Species Specificity:**  
human, mouse, rat

## 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

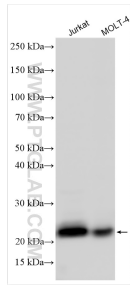
**Storage:**  
Store at -80°C.

**Storage Buffer:**  
PBS Only

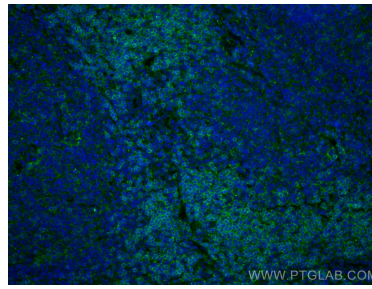
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)      E: proteintech@ptglab.com  
W: ptglab.com

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

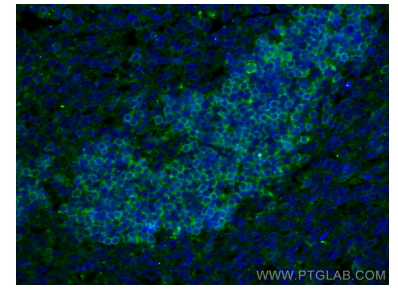
## Selected Validation Data



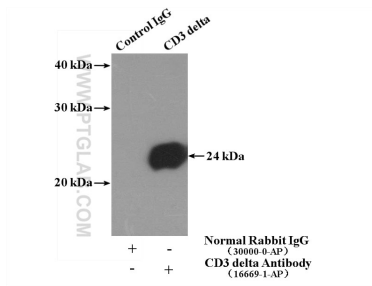
Various lysates were subjected to SDS PAGE followed by western blot with 16669-1-AP (CD3 Delta antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 16669-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed human tonsillitis tissue using CD3 Delta antibody (16669-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L). This data was developed using the same antibody clone with 16669-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed human tonsillitis tissue using CD3 Delta antibody (16669-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L). This data was developed using the same antibody clone with 16669-1-PBS in a different storage buffer formulation.



IP result of anti-CD3 Delta (IP:16669-1-AP, 4ug; Detection:16669-1-AP 1:800) with Jurkat cells lysate 2800ug. This data was developed using the same antibody clone with 16669-1-PBS in a different storage buffer formulation.