

For Research Use Only

CD3 Gamma Monoclonal antibody

Catalog Number: 60347-1-Ig **1 Publications**



Basic Information

Catalog Number: 60347-1-Ig	GenBank Accession Number: BC113830	Purification Method: Protein A purification
Size: 1800 µg/ml	GeneID (NCBI): 917	CloneNo.: 2E9G7
Source: Mouse	UNIPROT ID: P09693	Recommended Dilutions: WB 1:1000-1:8000 IHC 1:50-1:500
Isotype: IgG2b	Full Name: CD3g molecule, gamma (CD3-TCR complex)	
Immunogen Catalog Number: AG15502	Calculated MW: 182 aa, 20 kDa	
	Observed MW: 20-25 kDa	

Applications

Tested Applications: FC, IHC, WB, ELISA	Positive Controls: WB : Jurkat cells, IHC : human tonsillitis tissue,
Cited Applications: IHC	
Species Specificity: human	
Cited Species: human	
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	

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.

Notable Publications

Author	Pubmed ID	Journal	Application
Akira Saito	32794612	Cancer Sci	IHC

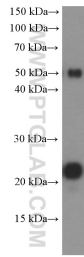
Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

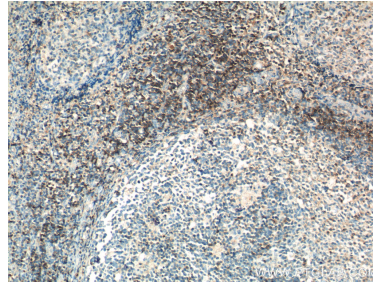
For technical support and original validation data for this product please contact:
T: 4006900926 E: Proteintech-CN@ptglab.com W: ptgcn.com

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

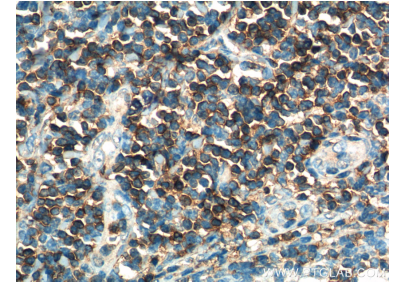
Selected Validation Data



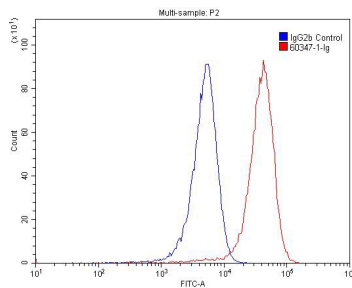
Jurkat cells were subjected to SDS PAGE followed by western blot with 60347-1-Ig (CD3 gamma antibody at dilution of 1:4000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 60347-1-Ig (CD3 gamma antibody at dilution of 1:400 (under 10x lens). Heat mediated antigen retrieved with Sodium Citrate buffer (pH 6.0).



Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 60347-1-Ig (CD3 gamma antibody at dilution of 1:400 (under 40x lens). Heat mediated antigen retrieved with Sodium Citrate buffer (pH 6.0).



1X10⁶ Jurkat cells were stained with 0.2ug CD3 gamma antibody (60347-1-Ig, red) and control antibody (blue). Fixed with 4% PFA blocked with 3% BSA (30 min). Alexa Fluor 488-conjugated AffiniPure Goat Anti-Mouse IgG(H+L) with dilution 1:1500.