

For Research Use Only

CD3 Gamma Recombinant antibody

Catalog Number: 84836-1-RR



Basic Information

Catalog Number: 84836-1-RR	GenBank Accession Number: BC113830	Purification Method: Protein A purification
Concentration: 1000 µg/ml	GeneID (NCBI): 917	CloneNo.: 241849E4
Source: Rabbit	UNIPROT ID: P09693	Recommended Dilutions: WB 1:5000-1:50000 IHC 1:500-1:2000 IF/ICC 1:200-1:800
Isotype: IgG	Full Name: CD3g molecule, gamma (CD3-TCR complex)	
	Calculated MW: 182 aa, 20 kDa	
	Observed MW: 20-25 kDa	

Applications

Tested Applications: WB, IHC, IF/ICC, ELISA	Positive Controls:
Species Specificity: human	WB : Jurkat cells, MOLT-4 cells
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	IHC : human tonsillitis tissue,
	IF/ICC : Jurkat cells,

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.

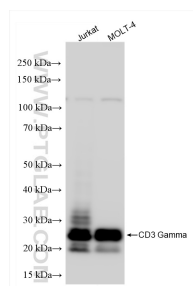
Storage

Storage:
Store at -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

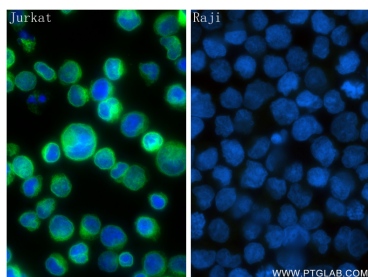
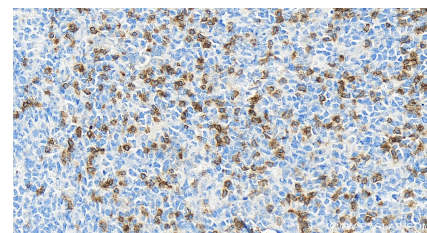
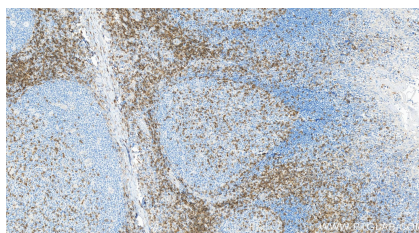
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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 84836-1-RR (CD3 Gamma antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (4% PFA) fixed Jurkat cells using CD3 Gamma antibody (84836-1-RR, Clone: 241849E4) at dilution of 1:400 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2).