

For Research Use Only

Granzyme K Monoclonal antibody, PBS Only

Catalog Number: 67272-1-PBS



Basic Information

Catalog Number: 67272-1-PBS	GenBank Accession Number: BC035802	Purification Method: Protein A purification
Size: 100ug, Concentration: 1mg/ml by Nanodrop;	GeneID (NCBI): 3003	CloneNo.: 1C3A4
Source: Mouse	UNIPROT ID: P49863	
Isotype: IgG2b	Full Name: granzyme K (granzyme 3; NK tryptase II)	
Immunogen Catalog Number: AG27297	Calculated MW: 29 kDa	

Applications

Tested Applications:
IHC, IF-P, ELISA

Species Specificity:
human

Background Information

Granzymes are a family of serine proteases stored in granules inside cytotoxic cells of the immune system. There are five human granzymes (granzyme A (GrA), GrB, GrH, GrK and GrM) currently identified, whereas mice have ten known granzymes (GrA-G, GrK, GrM and GrN) (PMID:14499263). Human GrK was first discovered in 1988 after purification from human peripheral blood mononuclear cells. GrK is expressed by cytotoxic T lymphocytes, natural killer T cells (NKT), $\gamma\delta$ T cells and CD56bright+ NK cells.

Storage

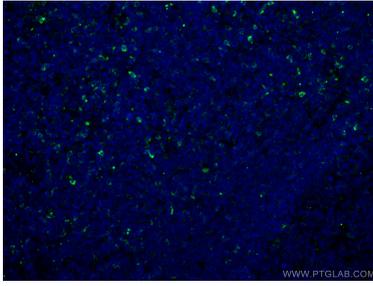
Storage:
Store at -80°C.

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



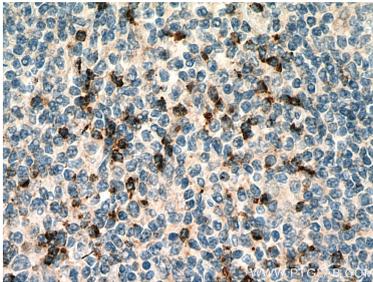
Immunofluorescent analysis of (4% PFA) fixed human tonsillitis tissue using Granzyme K antibody (67272-1-Ig, Clone: 1C3A4) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L). DAPI (blue). This data was developed using the same antibody clone with 67272-1-PBS in a different storage buffer formulation.



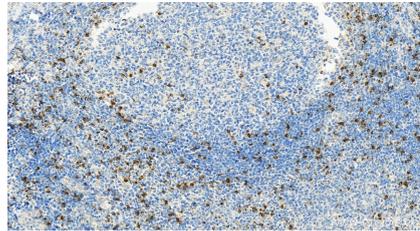
Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 67272-1-Ig (GZMK antibody) at dilution of 1:1000 (under 4x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 67272-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 67272-1-Ig (GZMK antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 67272-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 67272-1-Ig (GZMK antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 67272-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 67272-1-Ig (Granzyme K antibody) at dilution of 1:2000 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 67272-1-PBS in a different storage buffer formulation.