

For Research Use Only

Perforin Recombinant antibody

Catalog Number:83977-1-RR



Basic Information

Catalog Number: 83977-1-RR	GenBank Accession Number: BC063043	Purification Method: Protein A purification
Size: 1000 µg/ml	GeneID (NCBI): 5551	CloneNo.: 241009C10
Source: Rabbit	UNIPROT ID: P14222	Recommended Dilutions: WB 1:2000-1:10000 IHC 1:250-1:1000
Isotype: IgG	Full Name: perforin 1 (pore forming protein)	
Immunogen Catalog Number: AG6060	Calculated MW: 61 kDa	
	Observed MW: 65-70 kDa	

Applications

Tested Applications:

WB, IHC, ELISA

Species Specificity:

human, mouse

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB : CTLL-2 cells, NK-92 cells

IHC : human tonsillitis tissue,

Background Information

Perforin (PRF1) is one of the major cytolytic proteins of cytolytic granules. It is known to be a crucial effector molecule in cytolytic T lymphocyte and natural killer cell-mediated cytotoxicity. This protein has structural and functional similarities to complement component C9. Like C9, this protein creates transmembrane tubules and is capable of lysing nonspecifically a variety of target cells. Defects in PRF1 are the cause of familial hemophagocytic lymphohistiocytosis type 2 (FHL2), which is characterized by immune dysregulation with hypercytokinemia and defective natural killer cell function. (PMID: 2417226; 7774276; 2783486; 10583959)

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:

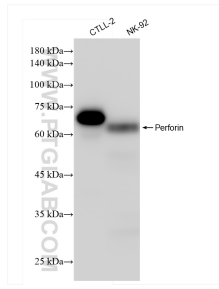
T: 4006900926

E: Proteintech-CN@ptglab.com

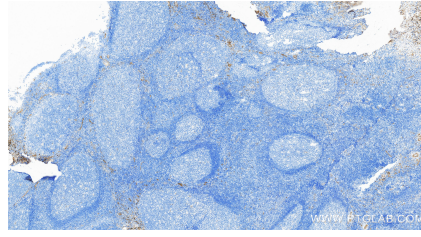
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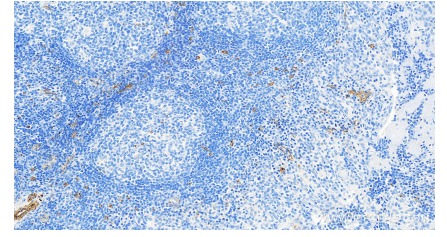
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 83977-1-RR (Perforin antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 83977-1-RR (Perforin antibody) at dilution of 1:500 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 83977-1-RR (Perforin antibody) at dilution of 1:500 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).