

## Allgemeine Informationen

<b>Katalog-Nr.:</b> 67272-1-Ig	<b>GenBank-Zugangsnummer:</b> BC035802	<b>Reinigungsmethode:</b> Protein-A-Reinigung
<b>Größe:</b> 150ul , Konzentration: 800 µg/ml von Nanodrop und 500 µg/ml durch die Bradford-Methode mit BSA als Standard;	<b>GeneID (NCBI):</b> 3003	<b>CloneNo.:</b> 1C3A4
<b>Wirt:</b> Maus	<b>Vollständiger Name:</b> granzyme K (granzyme 3; tryptase II)	<b>Empfohlene Verdünnungen:</b> IHC 1:500-1:2000 IF 1:200-1:800
<b>Isotyp:</b> IgG2b	<b>Berechnete Masse:</b> 29 kDa	
<b>Immunogen Katalognummer:</b> AG27297		

## Anwendungen

<b>Geprüfte Anwendungen:</b> FC, IF, IHC, ELISA	<b>Positivkontrollen:</b> IHC : humanes Tonsillitisgewebe, IF : humanes Tonsillitisgewebe,
<b>Getestete Reaktivität:</b> Human	
<b>Hinweis-IHC: Antigendemaskierung mit TE-Puffer pH 9,0 empfohlen. (*) Wahlweise kann die Antigendemaskierung auch mit Citratpuffer pH 6,0 erfolgen.</b>	

## Hintergrundinformationen

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.

## Lagerung

**Lagerungsbedingungen:**  
Bei -20°C lagern. Nach dem Versand ein Jahr lang stabil  
**Lagerungspuffer:**  
PBS mit 0.02% Natriumazid und 50% Glycerin pH 7.3.  
Aliquotieren ist nicht notwendig bei -20°C Lagerung

\*\*\* 20ul-Größen enthalten 0.1% BSA

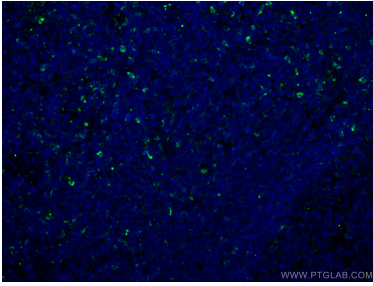
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free  
in USA), or 1(312) 455-8498 (outside USA)

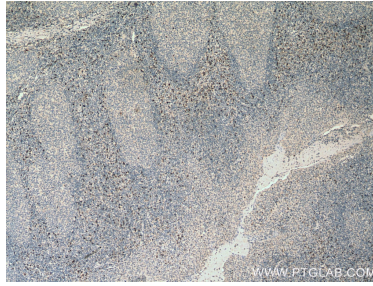
E: proteintech@ptglab.com  
W: ptglab.com

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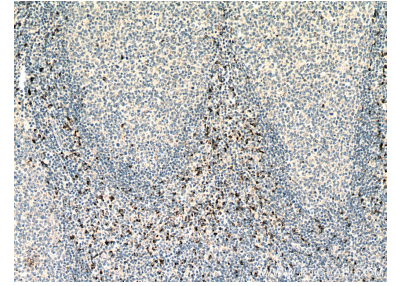
## Ausgewählte Validierungsdaten



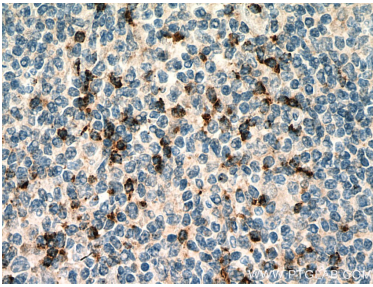
Immunofluorescent analysis of (4% PFA) fixed human tonsillitis tissue using Granzyme K antibody (67272-1-Ig, Clone: 1C3A4) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L). DAPI (blue).



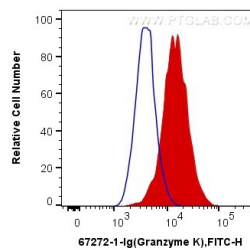
Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 67272-1-Ig (GZMK antibody) at dilution of 1:1000 (under 4x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



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).



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).



$1 \times 10^6$  NIH/3T3 cells were intracellularly stained with 0.2  $\mu$ g Anti-Human Granzyme K (67272-1-Ig, Clone:1C3A4) (red), or 0.2  $\mu$ g Control Antibody. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).