

For Research Use Only

# Cystatin F Recombinant monoclonal antibody

Catalog Number:87771-1-RR



## Basic Information

<b>Catalog Number:</b> 87771-1-RR	<b>GenBank Accession Number:</b> BC015507	<b>Purification Method:</b> Protein A purification
<b>Source:</b> Rabbit	<b>GeneID (NCBI):</b> 8530	<b>CloneNo.:</b> 253239D1
<b>Isotype:</b> IgG	<b>UNIPROT ID:</b> O76096	<b>Recommended Dilutions:</b> WB: 1:2000-1:10000
<b>Immunogen Catalog Number:</b> EG8049	<b>Full Name:</b> cystatin F (leukocystatin)	
	<b>Calculated MW:</b> 167 aa, 19 kDa	
	<b>Observed MW:</b> 16-25 kDa	

## Applications

<b>Tested Applications:</b> WB, ELISA	<b>Positive Controls:</b> WB : U-937 cells, Hela cells (negative), K-562 cells (negative), THP-1 cells (negative)
<b>Species Specificity:</b> human	

## Background Information

Cystatin F (also known as CST7, CMAP or leukocyte cystatin) is an endogenous cysteine protease inhibitor belonging to type II cystatin superfamily. Covalently linked homodimer is formed through C26-C63 disulfide bonds, which is the main form of its secretion. It contains N- glycosylation sites (Asn62 and Asn115), and glycosylation modification determines its intracellular localization-high mannose type guides it to target lysosomes, and complex sugar chain type promotes secretion. The active form is monomer, and the dimer needs to be activated in lysosomal reduction environment, and the 15 amino acids at the N-terminal are removed by cathepsin V to become a completely active form. Mainly expressed in peripheral blood cells (such as cytotoxic lymphocytes, eosinophils, neutrophils, mast cells) and spleen.

## Storage

**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol, pH7.3  
Aliquoting is unnecessary for -20°C storage

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

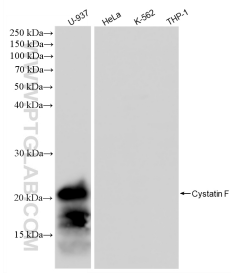
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**This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.**

## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 87771-1-RR (Cystatin F antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.