

For Research Use Only

Cystatin F Recombinant monoclonal antibody

Catalog Number:87771-1-RR



Basic Information

Catalog Number: 87771-1-RR	GenBank Accession Number: BC015507	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 8530	CloneNo.: 253239D1
Source: Rabbit	UNIPROT ID: O76096	Recommended Dilutions: WB: 1:2000-1:10000
Isotype: IgG	Full Name: cystatin F (leukocystatin)	
Immunogen Catalog Number: EG8049	Calculated MW: 167 aa, 19 kDa	
	Observed MW: 16-25 kDa	

Applications

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

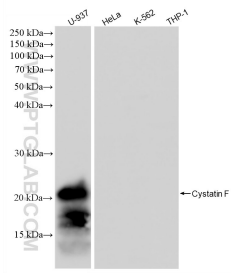
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 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

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.