

For Research Use Only

CST4 Recombinant monoclonal antibody, PBS Only

Catalog Number:86955-1-PBS



Basic Information

Catalog Number: 86955-1-PBS	GenBank Accession Number: NM_001899.2	Purification Method: Protein A purification
Source: Rabbit	GeneID (NCBI): 1472	CloneNo.: 252073B11
Isotype: IgG	UNIPROT ID: P01036	
Immunogen Catalog Number: EG3098	Full Name: cystatin S	
	Calculated MW: 16 kDa	
	Observed MW: 16 kDa	

Applications

Tested Applications:
WB, Indirect ELISA

Species Specificity:
human

Background Information

Cystatins are a family of inhibitors of cysteine peptidases that comprises the salivary cystatins D and S-type (including CST5 and CST4,1,2) and cystatin C-type (CST3) (PMID: 25329717). The D and S-type cystatin have also been detected in seminal plasma, tears, and tracheobronchial fluid but not in other fluids and secretions where cystatin C is found. And the CST4 was expressed in the serous acinar and demilune cells of the human submandibular gland and at lower levels in the serous acini of the parotid gland (PMID:11879580). CST4 specifically combines with cysteine protease to regulate its activity, thus preventing hydrolysis of the extracellular matrix. And some studies propose that CST4 might be a biomarker for gastrointestinal cancer (PMID:29218251; PMID:29636621).

Storage

Storage:
Store at -80°C.
The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:
PBS only, pH7.3

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

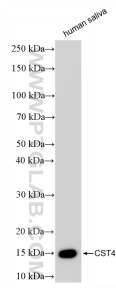
T: 4006900926

E: Proteintech-CN@ptglab.com

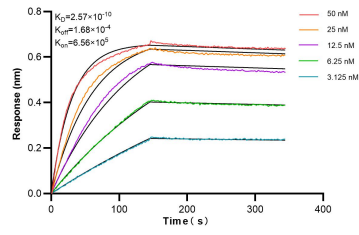
W: ptgcn.com

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Selected Validation Data



human saliva were subjected to SDS PAGE followed by western blot with 86955-1-RR (CST4 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 86955-1-PBS in a different storage buffer formulation.



Biolayer interferometry (BLI) kinetic assays of 86955-1-RR against Human CST4 were performed. The affinity constant is 0.257 nM.