

For Research Use Only

# CST5 Recombinant antibody

Catalog Number: 84678-4-RR



## Basic Information

Catalog Number:	GenBank Accession Number:	Purification Method:
84678-4-RR	BC069514	Protein A purification
Size:	GeneID (NCBI):	CloneNo.:
100ul , Concentration: 1000 µg/ml by Nanodrop;	1473	241564A10
Source:	UNIPROT ID:	Recommended Dilutions:
Rabbit	P28325	WB 1:5000-1:50000
Isotype:	Full Name:	
IgG	cystatin D	
Immunogen Catalog Number:	Observed MW:	
AG34412	14-16 kDa	

## Applications

Tested Applications:	Positive Controls:
WB, ELISA	WB : human saliva,
Species Specificity:	
human	

## Background Information

CST5 (cystatin D), it is expected to be located in cytoplasmic and extracellular, and the protein is restrictively expressed at salivary gland. Human cystatin D is a novel member of the cystatin superfamily of cysteine proteinase inhibitors present in saliva and tears. The inhibitory properties displayed by cystatin D suggest that it has a function in saliva as inhibitor of either endogenous or exogenous enzymes with cathepsin S- or H-like properties (PMID: 8083219). The calculated molecular weight of CST5 is 16 kDa.

## Storage

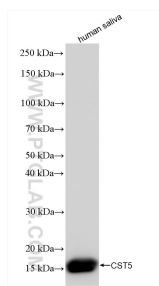
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

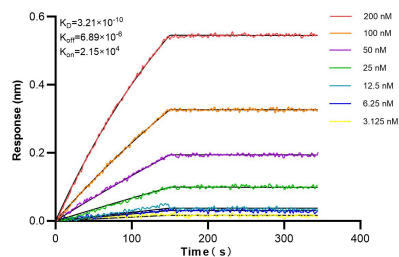
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## Selected Validation Data



human saliva were subjected to SDS PAGE followed by western blot with 84678-4-RR (CST5 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Biolayer interferometry (BLI) kinetic assays of 84678-4-RR against Human CST5 were performed. The affinity constant is 0.321 nM.