

For Research Use Only

CST5 Recombinant antibody

Catalog Number: 84678-4-RR



Basic Information

Catalog Number:

84678-4-RR

Concentration:

1000 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG34412

GenBank Accession Number:

BC069514

GeneID (NCBI):

1473

UNIPROT ID:

P28325

Full Name:

cystatin D

Observed MW:

14-16 kDa

Purification Method:

Protein A purification

CloneNo.:

241564A10

Recommended Dilutions:

WB 1:5000-1:50000

Applications

Tested Applications:

WB, ELISA

Species Specificity:

human

Positive Controls:

WB : human saliva,

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

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

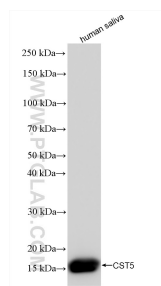
T: 4006900926

E: Proteintech-CN@ptglab.com

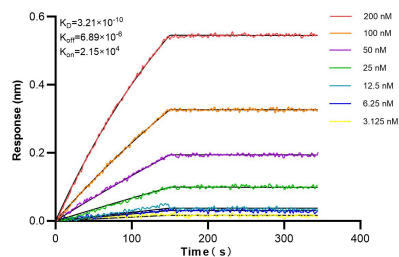
W: ptgcn.com

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Selected Validation Data



human saliva were subjected to SDS PAGE followed by western blot with 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.