

For Research Use Only

Cystatin A Recombinant antibody, PBS Only

Catalog Number: 84953-4-PBS



Basic Information

Catalog Number:

84953-4-PBS

Size:

100ug, Concentration: 1 mg/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG8733

GenBank Accession Number:

BC010379

GeneID (NCBI):

1475

UNIPROT ID:

P01040

Full Name:

cystatin A (stefin A)

Calculated MW:

98 aa, 11 kDa

Observed MW:

11 kDa

Purification Method:

Protein A purification

CloneNo.:

242558F10

Applications

Tested Applications:

WB, Indirect ELISA

Species Specificity:

human

Background Information

Cystatin A (CSTA) is a member of the cystatin superfamily, which are thiol proteinase inhibitors (TPI) that play crucial roles in regulating proteolytic activity. It is a small protein composed of 98 amino acids with a molecular weight of approximately 11 kDa. CSTA is primarily expressed in epithelial tissues, such as the skin and esophagus, where it serves as a precursor protein for the cornified cell envelope in keratinocytes.

Storage

Storage:

Store at -80°C.

Storage Buffer:

PBS Only

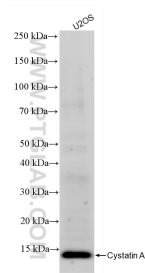
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

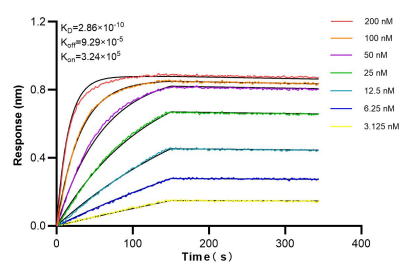
E: proteintech@ptglab.com
W: ptglab.com

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

Selected Validation Data



U2OS cells were subjected to SDS PAGE followed by western blot with 84953-4-RR (CSTA antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 84953-4-PBS in a different storage buffer formulation.



Biolayer interferometry (BLI) kinetic assays of 84953-4-RR against Human Cystatin A were performed. The affinity constant is 0.286 nM.