

Anti-Cystatin C/CST3 Antibody Picoband™ (monoclonal, 8H7)

Catalog Number: M00961-3

About CST3

Cystatin C or cystatin 3, a protein encoded by the CST3 gene, is mainly used as a biomarker of kidney function. Recently, it has been studied for its role in predicting new-onset or deteriorating cardiovascular disease. It also seems to play a role in brain disorders involving amyloid, such as Alzheimer's disease. In humans, all cells with a nucleus (cell core containing the DNA) produce cystatin C as a chain of 120 amino acids. It is found in virtually all tissues and body fluids. It is a potent inhibitor of lysosomal proteinases (enzymes from a special subunit of the cell that break down proteins) and probably one of the most important extracellular inhibitors of cysteine proteases (it prevents the breakdown of proteins outside the cell by a specific type of protein degrading enzymes). Cystatin C belongs to the type 2 cystatin gene family.

Overview

Product Name	Anti-Cystatin C/CST3 Antibody Picoband™ (monoclonal, 8H7)
Reactive Species	Human
Description	Boster Bio Anti-Cystatin C/CST3 Antibody Picoband™ (monoclonal, 8H7) catalog # M00961-3. Tested in ELISA applications. This antibody reacts with Human.
Application	ELISA
Clonality	Monoclonal 8H7
Formulation	Each vial contains 4mg Trehalose, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg NaN3.
Storage Instructions	Store at -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freeze-thaw cycles.
Host	Mouse
Uniprot ID	P01034

Technical Details

Immunogen	E. coli-derived human Cystatin C recombinant protein (Position: K31-A146).
Predicted Reactive Species	Hepatitis Virus
Recommended Detection Systems	Boster recommends Enhanced Chemiluminescent Kit with anti-Mouse IgG (EK1001) for Western blot, and HRP Conjugated anti-Mouse IgG Super Vision Assay Kit (SV0001-1) for IHC(P) and ICC.
Cross Reactivity	No cross-reactivity with other proteins.
Isotype	Mouse IgG1
Form	Lyophilized

Concentration	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml.
Purification	Immunogen affinity purified.
Suggested Dilutions	<p>Dilute the sample so that the expected range of concentrations fall within the detection range of this kit.</p> <p>If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples.</p> <p>Some PubMed article(s) citing the expression level of this target are as follows:</p> <p>Boster Bio's internal QC testing used:</p> <p>ELISA (Cap), 1-5ug/ml</p>

Anti-Cystatin C/CST3 Antibody Picoband™ (monoclonal, 8H7) (M00961-3) Images

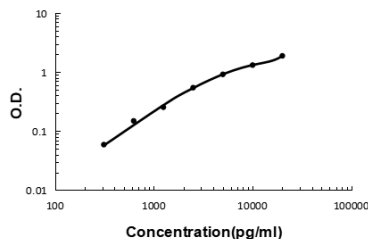


Figure 1. Sandwich ELISA - Recombinant human Cystatin C/CST3 protein standard curve.
Use in combination with reagents from Human Cystatin C/CST3 ELISA Kit EZ-Set (DIY Antibody Pairs) (EZ0678).

Submit a product review to Biocompare.com

Submit a review of this product to Biocompare.com to receive a \$20 Amazon.com giftcard! Your reviews help your fellow scientists make the right decisions. Thank you for your contribution.



Anti-Cystatin C/CST3 Antibody (monoclonal, 8H7)