BOSTER BIOLOGICAL TECHNOLOGY
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Anti-Cystatin C/CST3 Antibody (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.

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Overview

Product Name	Anti-Cystatin C/CST3 Antibody (monoclonal, 8H7)
Reactive Species	Human
Description	Boster Bio Anti-Cystatin C/CST3 Antibody (monoclonal, 8H7) catalog # M00961-3. Tested in ELISA applications. This antibody reacts with Human.
Application	ELISA (Cap)
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

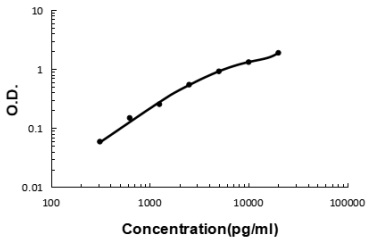
Immunogen	E. coli-derived human Cystatin C recombinant protein (Position: K31-A146).
Recommended Detection Systems	Boster recommends Enhanced Chemiluminescent Kit with anti-Mouse IgG (EK1001) for Western blot, and HRP Conjugated anti-Mouse IgG Super Vision Assay Kit (SV0001-1) for IHC(P) and ICC.

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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	ELISA (Cap), 1-5ug/ml

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



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).

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For Research Use Only. Not for use in diagnostic procedures.