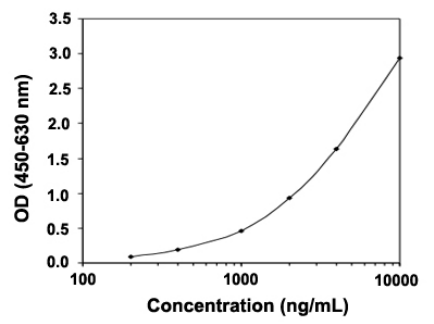
CST3 (Human) ELISA Kit

Catalog # KA0022 Size 1 Kit

Applications



The standard curve is for the purpose of illustration only and should not be used to calculate unknowns. A standard curve should be generated each time the assay is performed.

Specification

Product Description	CST3 (Human) ELISA Kit is a sandwich enzyme immunoassay for the quantitative measurement of human cystatin C.
Suitable Sample	Cerebrospinal Fluid, Plasma (Citrate, EDTA, Heparin), Serum, Urine
Sample Volume	100 uL (diluted)
Label	HRP-conjugate
Detection Method	Colorimetric
Assay Type	Quantitative
Calibration Range	200 to 10000 ng/mL
Limit of Detection	0.25 ng/mL
Reactivity	Human, Monkey
Regulation Status	For research use only (RUO)
Quality Control Testing	Standard curve The standard curve is for the purpose of illustration only and should not be used to calculate unknowns. A standard curve should be generated each time the assay is performed.

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Storage Instruction	Store the kit at 4°C.

Applications

- Quantification

Gene Info — CST3

Entrez GeneID	1471
Gene Name	CST3
Gene Alias	ARMD11, MGC117328
Gene Description	cystatin C
Omim ID	105150 604312
Gene Ontology	Hyperlink
Gene Summary	The cystatin superfamily encompasses proteins that contain multiple cystatin-like sequences. So me of the members are active cysteine protease inhibitors, while others have lost or perhaps nev er acquired this inhibitory activity. There are three inhibitory families in the superfamily, including t he type 1 cystatins (stefins), type 2 cystatins and the kininogens. The type 2 cystatin proteins are a class of cysteine proteinase inhibitors found in a variety of human fluids and secretions, where the y appear to provide protective functions. The cystatin locus on chromosome 20 contains the major ity of the type 2 cystatin genes and pseudogenes. This gene is located in the cystatin locus and en codes the most abundant extracellular inhibitor of cysteine proteases, which is found in high conc entrations in biological fluids and is expressed in virtually all organs of the body. A mutation in this gene has been associated with amyloid angiopathy. Expression of this protein in vascular wall sm ooth muscle cells is severely reduced in both atherosclerotic and aneurysmal aortic lesions, estab lishing its role in vascular disease. [provided by RefSeq
Other Designations	OTTHUMP00000030440|OTTHUMP00000164181|OTTHUMP00000164182|bA218C14.4 (cysta tin C)|cystatin 3|cystatin C (amyloid angiopathy and cerebral hemorrhage)|gamma-trace|neuroend ocrine basic polypeptide|post-gamma-globulin

Publication Reference

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- N-Acetylcysteine in Preventing Contrast-Induced Nephropathy Assessed by Cystatin C.

  Alioglu E, Saygi S, Turk U, Kirilmaz B, Tuzun N, Duman C, Tengiz I, Yildiz S, Ercan E.

  Cardiovascular Therapeutics 2011 Dec; 31(3):168.

  Application: Quant, Human, Serum from patients with normal to subnormal GFR who were scheduled for cardiovascular procedures

Disease

- Albuminuria
- Alzheimer disease
- Amnesia
- Amyloidosis
- Amyotrophic lateral sclerosis
- Angina
- Atherosclerosis
- Cardiovascular Diseases
- Cognition Disorders
- Coronary Disease
- Dementia
- Diabetes Complications
- Frontotemporal Lobar Degeneration
- Genetic Predisposition to Disease
- Lewy Body Disease
- Macular Degeneration
- Mental Status Schedule
- Metabolic Syndrome X
- Mouth Neoplasms
- Myocardial Infarction

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- Neoplasms
- Neuropsychological Tests
- Oral Submucous Fibrosis
- Osteoporosis
- Parkinson Disease
- Precancerous Conditions
- Psychiatric Status Rating Scales

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