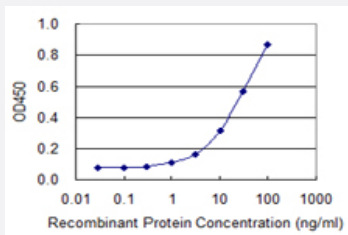


CST3 monoclonal antibody (M13), clone 3D10

Catalog # H00001471-M13

Size 100 ug

Applications



Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged CST3 is 0.3 ng/ml as a capture antibody.

Specification

Product Description	Mouse monoclonal antibody raised against a partial recombinant CST3.
Immunogen	CST3 (NP_000090.1, 28 a.a. ~ 127 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	SPGKPPRLVGGPMDASVEEEGVRRALDFAVGEYNKASNDMYHSRALQVVRARKQIVAGVNYFL DVELGRTTCTKTQPNLDNCPFHDQPHLKRKAFCSFQI
Host	Mouse
Reactivity	Human
Isotype	IgG1 Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged CST3 is 0.3 ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

Gene Info — CST3

Entrez GeneID [1471](#)

GeneBank Accession# [NM_000099](#)

Protein Accession# [NP_000090.1](#)

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. Some of the members are active cysteine protease inhibitors, while others have lost or perhaps never acquired this inhibitory activity. There are three inhibitory families in the superfamily, including the 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 they appear to provide protective functions. The cystatin locus on chromosome 20 contains the majority of the type 2 cystatin genes and pseudogenes. This gene is located in the cystatin locus and encodes the most abundant extracellular inhibitor of cysteine proteases, which is found in high concentrations 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 smooth muscle cells is severely reduced in both atherosclerotic and aneurysmal aortic lesions, establishing its role in vascular disease. [provided by RefSeq]

Other Designations

OTTHUMP00000030440|OTTHUMP00000164181|OTTHUMP00000164182|bA218C14.4 (cystatin C)|cystatin 3|cystatin C (amyloid angiopathy and cerebral hemorrhage)|gamma-trace|neuroendocrine basic polypeptide|post-gamma-globulin

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](#)
- [Neoplasms](#)
- [Neuropsychological Tests](#)
- [Oral Submucous Fibrosis](#)
- [Osteoporosis](#)

- [Parkinson Disease](#)
- [Precancerous Conditions](#)
- [Psychiatric Status Rating Scales](#)