

# CST1 mouse monoclonal antibody (hybridoma)

Catalog # H00001469-M

Size Up to 5 Clones

## Specification

<b>Product Description</b>	Mouse monoclonal antibody raised against a full-length recombinant CST1.
<b>Immunogen</b>	CST1 (NP_001889.2, 1 a.a. ~ 141 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
<b>Sequence</b>	MAQYLSTLLLLLATLAVALAWSPKEEDRIIPGGYNADLNDEWVQRALHFAISEYNKATKDDYYRRP LRVLRARQQTVGGVNYFFDVEVGRITCKSQPNLDTCAFHEQPELQKKQLCSFEIYVPWENRRS LVKSRCQES
<b>Host</b>	Mouse
<b>Reactivity</b>	Human
<b>Quality Control Testing</b>	Antibody reactivity and specificity confirmed by ELISA and Western Blot.
<b>Deliverables</b>	Up to 5 positive hybridoma clones will be delivered to customer in the cryotube format.
<b>Note</b>	Customer should check the viability of the hybridomas within one month from the date of receipt. Fee -for-service of long term hybridoma storage can be performed upon customer's request.

## Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- ELISA

## Gene Info — CST1

Entrez GeneID [1469](#)

GeneBank Accession# [NM\\_001898.2](#)

Protein Accession# [NP\\_001889.2](#)

Gene Name CST1

Gene Alias -

Gene Description cystatin SN

Omim ID [123855](#)

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 a cysteine proteinase inhibitor found in saliva, tears, urine, and seminal fluid. [provided by RefSeq]

**Other Designations** OTTHUMP00000030444|OTTHUMP00000164184|cystatin 1|cystatin SA-1|cysteine proteinase inhibitor, type 2 family

## Disease

- [Diabetes Mellitus](#)
- [Genetic Predisposition to Disease](#)
- [Insulin Resistance](#)