



**Category:** Monoclonal Antibodies  
**Product Name:** Mouse Monoclonal Antibody to CST3

**Catalog Number:** MAB-606030201

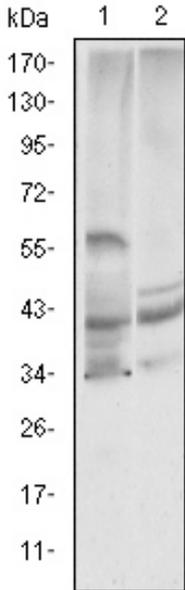


Figure 1: Western blot analysis using CST3 mouse mAb against Hela (1) and Caco-2 (2) cell lysate.

Lot#:   
Clone#: 5H2  
Host and isotype: Mouse IgG1  
Size: 0.1ml  
MW: 42kDa  
Aliases: ARMD11; MGC117328; CST3  
Entrez Gene: 1471  
Species reactivity: Human

**Description** 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) Tissue specificity: Expressed in submandibular and sublingual saliva but not in parotid saliva (at protein level). Expressed in various body fluids, such as the cerebrospinal fluid and plasma. Expressed in highest levels in the epididymis, vas deferens, brain, thymus, and ovary and the lowest in the submandibular gland.

**Immunogen** Purified recombinant fragment of human CST3 expressed in E. Coli.

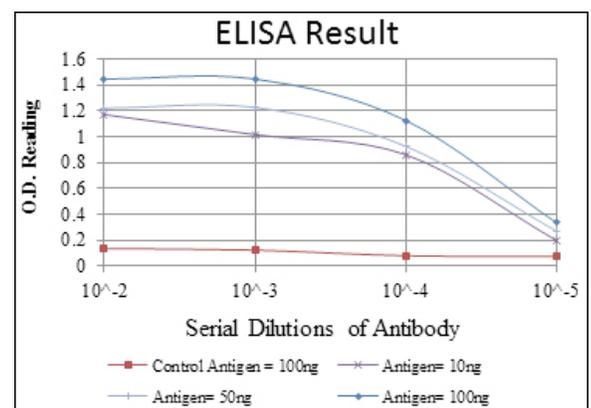
**Application** Western Blotting: 1/500 - 1/2000.  
ELISA: Propose dilution 1/10000.  
Not yet tested in other applications.  
Determining optimal working dilutions by titration test.

**Formulation** Ascitic fluid containing 0.03% sodium azide.

**Storage** Store at 4°C, for long term storage, store at -20°C.

**Related product**

**References** 1. Dement Geriatr Cogn Disord. 2009;27(4):318-21.  
2. Clin J Am Soc Nephrol. 2008 Nov;3(6):1610-4.



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