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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Datasheet

CST3 (Human) ELISA Kit

Catalog Number: KA0022

Regulatory Status: For research use only (RUO)

Product Description: CST3 (Human) ELISA Kit is a sandwich enzyme immunoassay for the quantitative measurement of human cystatin C.

Calibration Range: 200 to 10000 ng/mL

Limit of Detection: 0.25 ng/mL

Suitable Sample: Cerebrospinal Fluid, Plasma (Citrate, EDTA, Heparin), Serum, Urine

Sample Volume: 100 uL (diluted)

Label: HRP-conjugate

Detection Method: Colorimetric

Regulation Status: For research use only (RUO)

Reactivity: Human, Monkey

Applications: Quant

(See our web site product page for detailed applications information)

Protocols: See our web site at

<http://www.abnova.com/support/protocols.asp> or product page for detailed protocols

Storage Instruction: Store the kit at 4°C.

Entrez GeneID: 1471

Gene Symbol: CST3

Gene Alias: ARMD11, MGC117328

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]

References:

1. 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. Cardiovasc Ther. 2011 Dec 29. doi: 10.1111/j.1755-5922.2011.00309.x. [Epub ahead of print]