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Product datasheet for DP2003

Cystatin C (CST3) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, WB
Recommended Dilution:	**ELISA.** **Western Blot.**
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	Cystatin C from Human urine.
Specificity:	The antibody recognizes Human Cystatin C. Other species not tested.
Formulation:	Azide Free 0.05M Phosphate buffer, 0.1M NaCl, pH 7.2 State: Aff - Purified State: Lyophilized purified IgG fraction Preservative: None
Reconstitution Method:	Restore with 0.1 ml of deionized water and let the lyophilized pellet dissolve completely. Slight turbidity may occur after reconstitution, which does not affect activity of the antibody. In this case clarify the solution by centrifugation.
Concentration:	1.0 mg/ml (after reconstitution)
Purification:	Immunoaffinity Chromatography on a column with immobilized Human Cystatin C
Conjugation:	Unconjugated
Storage:	Store lyophilized at 2-8°C for 6 months or at -20°C long term. After reconstitution store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C long term. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	cystatin C
Database Link:	Entrez Gene 1471 Human P01034

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Background: Cystatin C is a non-glycosilated basic single-chain protein consisting of 120 amino acids with a molecular weight of 13.36 kDa and is characterized by two disulfide bonds in the carboxy-terminal region. It belongs to the cystatins superfamilly which inactivates lysosomal cysteine proteinases, e.g. cathepsin B, H,.K, L and S. Imbalance between Cystatin C and cysteine proteinases is associated with inflammation, renal failure, cancer, Alzheimers disease, multiple sclerosis and hereditary Cystatin C amyloid angiopathy. Its increased level has been found in patients with autoimune diseases, with colorectal tumors and in patients on dyalisis. Serum Cystatin C seems to be better marker of glomerular filtration rate than creatinine. On the other hand, low concentration of Cystatin C presents a risk factor for secondary cardiovascular events.

Synonyms: Cystatin C, Cystatin-3, CST3

Note: ***Quality Control Test:***
Indirect ELISA to determine titer of the antibody.
SDS PAGE to determine purity of the antibody.