

For Research Use Only

NeutraKine® Cystatin C Monoclonal antibody



Catalog Number: 69017-1-Ig

Basic Information

Catalog Number: 69017-1-Ig	GenBank Accession Number: GeneID (NCBI): 1471	Purification Method: Protein G purification
Size: Source: Mouse	Full Name: cystatin C	CloneNo.: 1H1B4
Isotype: IgG1		
Immunogen Catalog Number: HZ-1211		

Applications

Tested Applications:
Neutralization, ELISA

Species Specificity:
Human

Background Information

Cystatin C is a 13-kDa inhibitor of cysteine proteinases which is secreted by all cell types and is completely cleared from the organism through glomerular filtration, shown to be an early and sensitive biomarker of renal dysfunction. It is also used as an emerging biomarker in cardiovascular disease. Cystatin C is involved in a variety of inflammatory reactions. The concentration of serum cystatin C has also been shown to be unaltered in certain inflammatory conditions or other disorders of metabolism. The plasma level of serum cystatin C can be expressed as its level of generation from cells and diet and its subsequent elimination through the gut, liver, and kidneys.

This antibody can be used to neutralize the bioactivity of Cystatin C.

Storage

Storage:
Lyophilized antibodies are stable for 1 year from the date of receipt if stored between (-20°C) and (-80°C). Upon reconstitution we recommend that the solution can be stored at(4°C) for short term or at(-20°C) to (-80°C) for long term. Repeated freeze thaw cycles should be avoided with reconstituted products.

Storage Buffer:
Sterile PBS.

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

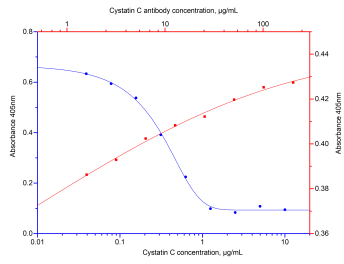
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Recombinant human Cystatin C (Cat.NO. HZ-1211) inhibits Papain protease (5 µg/mL) activity (by colorimetric assay using L-BAPA as substrate) in a dose-dependent manner (blue curve, refer to bottom X-left Y). The activity of human Cystatin C (0.4 µg/mL HZ-1211) is neutralized by mouse anti-human Cystatin C monoclonal antibody 69017-1-Ig at serial dose (red curve, refer to top X-right Y). The ND50 is around 0.5mg/mL.