



#### ORDERING INFORMATION

**Catalog Number:** AF1296

**Lot Number:** JFD01

**Size:** 100 µg

**Formulation:** 0.2 µm filtered solution in PBS  
with 5% trehalose

**Storage:** -20° C

**Reconstitution:** sterile PBS

**Specificity:** human Cystatin S

**Immunogen:** NS0-derived rhCystatin S  
(aa 21 - 141)

**Ig Type:** human Cystatin S specific goat IgG

**Applications:** Direct ELISA  
Western blot  
Immunoprecipitation

## ***Anti-human Cystatin S Antibody***

### ***Preparation***

Produced in goats immunized with purified, NS0-derived, recombinant human Cystatin S (rhCystatin S; aa 21 - 141). Human Cystatin S specific IgG was purified by human Cystatin S affinity chromatography.

### ***Formulation***

Lyophilized from a 0.2 µm filtered solution in phosphate-buffered saline (PBS) with 5% trehalose.

### ***Endotoxin Level***

< 0.1 EU per 1 µg of the antibody as determined by the LAL method.

### ***Reconstitution***

Reconstitute with sterile PBS. If 1 mL of PBS is used, the antibody concentration will be 0.1 mg/mL.

### ***Storage***

Lyophilized samples are stable for twelve months from date of receipt when stored at -20° C to -70° C. Upon reconstitution, the antibody can be stored at 2° - 8° C for 1 month without detectable loss of activity. Reconstituted antibody can also be aliquotted and stored frozen at -20° C to -70° C **in a manual defrost freezer** for six months without detectable loss of activity. **Avoid repeated freeze-thaw cycles.**

### ***Specificity***

This antibody has been selected for its ability to recognize human Cystatin S in direct ELISAs and western blots.

### ***Applications***

**Direct ELISA** - This antibody can be used at 0.5 - 1.0 µg/mL with the appropriate secondary reagents to detect human Cystatin S. The detection limit for rhCystatin S is approximately 0.05 ng/well. In this format, this antibody shows approximately 30% cross-reactivity with rhCystatin SA and rhCystatin SN and 5% cross-reactivity with rhCystatin C and rhCystatin D and less than 1% cross-reactivity with rhCystatin A, rhCystatin B, rhCystatin E/M, rhFetuin A and rhFetuin B.

**Western blot** - This antibody can be used at 0.1 - 0.2 µg/mL with the appropriate secondary reagents to detect human Cystatin S. The detection limit for rhCystatin S is approximately 5 ng/lane under non-reducing and reducing conditions.

**Immunoprecipitation** - This antibody has been used to immunoprecipitate rhCystatin S from conditioned media of transfected NS0 cells. The recovered rhCystatin S can be detected by western blot analysis using a monoclonal antibody (R&D Systems, Catalog # MAB1296).

**Optimal dilutions should be determined by each laboratory for each application.**