



Anti-human Cystatin SN Antibody

ORDERING INFORMATION

Catalog Number: AF1285

Lot Number: KZG01

Size: 100 µg

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

Storage: -20° C

Reconstitution: sterile PBS

Specificity: human Cystatin SN

Immunogen: NS0-derived rhCystatin SN (aa 21 - 141)

Ig Type: goat IgG

Applications: Direct ELISA
Western blot
Immunoprecipitation

Preparation

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

Formulation

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

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 SN in direct ELISAs and western blots. In these formats, this antibody shows approximately 30% cross-reactivity with rhCystatin SA, 15% cross-reactivity with rhCystatin S, 5% cross-reactivity with rhCystatin C and less than 1% cross-reactivity with rhCystatin A, rhCystatin B, rhCystatin E/M and rhCystatin F.

Applications

Direct ELISA - This antibody can be used at 0.5 - 1.0 µg/mL with the appropriate secondary reagents to detect human Cystatin SN. The detection limit for rhCystatin SN is approximately 0.3 ng/well.

Western blot - This antibody can be used at 0.1 - 0.2 µg/mL with the appropriate secondary reagents to detect human Cystatin SN. The detection limit for rhCystatin SN is approximately 0.5 ng/lane under non-reducing and reducing conditions.

Immunoprecipitation - This antibody has been used to immunoprecipitate rhCystatin SN from conditioned media of transfected NS0 cells. The recovered rhCystatin SN can be detected by western blot analysis using a monoclonal antibody (R&D Systems, Catalog # MAB1285).

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