Anti-human Granzyme H Antibody

ORDERING INFORMATION

Catalog Number: AF1377

Lot Number: IHB01

Size: 100 µg

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

Storage: -20° C

Reconstitution: sterile PBS

Specificity: human Granzyme H

Immunogen: NS0-derived rhGranzyme H (aa 19 - 246)

Ig Type: goat IgG

Applications: Western blot
Immunoprecipitation
Immunocytochemistry
Direct ELISA

Preparation
Produced in goats immunized with purified, NS0-derived, recombinant human Granzyme H (rhGranzyme H; aa 19 - 246). Human Granzyme H specific IgG was purified by human Granzyme H affinity chromatography.

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

Endotoxin Level
< 0.01 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 both the pro and active forms of rhGranzyme H in western blots.

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

Immunoprecipitation - This antibody has been used to immunoprecipitate rhGranzyme H from conditioned media of transfected NS0 cells.

Immunocytochemistry - This antibody will detect Granzyme H in cells. The working dilution is 2 - 15 µg/mL. For chromogenic detection of labeling, use R&D Systems' Cell and Tissue Staining Kits (CTS Series).

Direct ELISA - This antibody can be used at 0.5 - 1.0 µg/mL with the appropriate secondary reagents to detect human Granzyme H. The detection limit for rhGranzyme H is approximately 0.1 ng/well. In this format, this antibody shows approximately 25% cross-reactivity with rhGranzyme B and approximately 5% cross-reactivity with rmGranzyme C, rmGranzyme D and rmGranzyme G.

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

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9/27/06