



Anti-mouse Granzyme G Antibody

ORDERING INFORMATION

Catalog Number: AF1346

Lot Number: JEP01

Size: 100 µg

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

Storage: -20° C

Reconstitution: sterile PBS

Specificity: mouse Granzyme G

Immunogen: Sf 21-derived rmGranzyme G (aa 21 - 248)

Ig Type: mouse Granzyme G specific goat IgG

Applications: Direct ELISA
Western blot
Immunoprecipitation

Preparation

Produced in goats immunized with purified, Sf 21-derived, recombinant mouse Granzyme G (rmGranzyme G). Mouse Granzyme G specific IgG was purified by mouse Granzyme G 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 mouse Granzyme G 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 mouse Granzyme G. The detection limit for rmGranzyme G is approximately 0.5 ng/well.

Western blot - This antibody can be used at 0.1 - 0.2 µg/mL with the appropriate secondary reagents to detect mouse Granzyme G. The detection limit for rmGranzyme G is approximately 1 ng/lane under non-reducing and reducing conditions. In this format, this antibody shows approximately 5% cross-reactivity with rmGranzyme D and less than 1% cross-reactivity with rhGranzyme H.

Immunoprecipitation - This antibody has been used to immunoprecipitate rmGranzyme G from conditioned media of transfected NS0 cells. The recovered rmGranzyme G can be detected by western blot analysis using a monoclonal antibody (R&D Systems, Clone # 207639).

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