Anti-mouse HAI-2 Ectodomain Antibody

ORDERING INFORMATION

Catalog Number: AF1107

Lot Number: GXZ01

Size: 100 μg

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

Storage: -20° C

Reconstitution: sterile PBS

Specificity: mouse HAI-2

Immunogen: NS0-derived rmHAI-2B ectodomain

Ig Type: goat IgG

Applications: Direct ELISA
Western blot
Immunohistochemistry

Preparation

Produced in goats immunized with purified, NS0-derived, recombinant mouse hepatocyte growth factor activator inhibitor type 2B (rmHAI-2B) ectodomain. Mouse HAI-2B is an alternatively spliced variant of HAI-2 that lacks the first kunitz domain. Mouse HAI-2 specific IgG was purified by mouse HAI-2B 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 HAI-2 in direct ELISAs and western blots. In these formats, this antibody shows approximately 5% cross-reactivity with rhHAI-2.

Applications

Direct ELISA - This antibody can be used at 0.5 - 1.0 μg/mL with the appropriate secondary reagents to detect mouse HAI-2. The detection limit for rmHAI-2B is approximately 0.2 ng/well.

Western blot - This antibody can be used at 0.1 - 0.2 μg/mL with the appropriate secondary reagents to detect mouse HAI-2. The detection limit for rmHAI-2B is approximately 1 ng/lane under non-reducing and reducing conditions.

Immunohistochemistry - This antibody will detect HAI-2 in cells and tissues. The working dilution is 5 - 15 μg/mL. For chromogenic detection of labeling, use R&D Systems' Cell and Tissue Staining Kits (CTS Series).

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

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