



ORDERING INFORMATION

Catalog Number: AF1568

Lot Number: JEK01

Size: 100 µg

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

Storage: -20° C

Reconstitution: sterile PBS

Specificity: mouse Hip

Immunogen: NS0-derived rmHip extracellular
domain

Ig Type: mouse Hip extracellular domain
specific goat IgG

Applications: Direct ELISA
Western blot

Anti-mouse Hip Antibody

Preparation

Produced in goats immunized with purified, NS0-derived, recombinant mouse Hedgehog-interacting protein (rmHip) extracellular domain. Mouse Hip specific IgG was purified by mouse Hip affinity chromatography. Hip is a type I transmembrane protein that binds all three mammalian Hedgehogs: sonic (Shh), desert (Dhh) and Indian (Ihh). Hip is expressed in a variety of organs, adjacent to sites of hedgehog expression, where it regulates the availability of Hedgehog ligands extracellularly and acts as a potent antagonist of Hedgehog signaling.

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 mouse Hip 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 Hip. The detection limit for rmHip 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 Hip. The detection limit for rmHip is approximately 0.5 ng/lane under non-reducing and reducing conditions.

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