



Anti-mouse Wnt-8A Antibody

ORDERING INFORMATION

Catalog Number: AF2248

Lot Number: UDZ01

Size: 100 µg

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

Storage: -20° C

Reconstitution: sterile PBS

Specificity: mouse Wnt-8A

Immunogen: *E. coli*-derived rmWnt-8A peptide

Ig Type: goat IgG

Applications: Direct ELISA
Western blot
Immunohistochemistry

Preparation

Produced in goats immunized with purified, *E. coli*-derived, recombinant mouse Wnt-8A peptide consisting of amino acid residues 23 - 53 and 196 - 273 joined by a linker peptide and tagged with six histidine residues at the carboxyl terminus (rmWnt-8A). Mouse Wnt-8A specific IgG was purified by mouse Wnt-8A affinity chromatography. Wnt-8A is a secreted glycoprotein that binds to receptors of the Frizzled family. It is expressed during early optic lens development and cardiac myogenesis.

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 0.5 mL of PBS is used, the antibody concentration will be 0.2 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 Wnt-8A in the applications listed below. In direct ELISAs and western blots, this antibody shows less than 5% cross-reactivity with rmWnt-1, rmWnt-3A, rmWnt-4, rmWnt-5A and rmWnt-10B.

Applications

Direct ELISA - This antibody can be used at 0.5 - 1.0 µg/mL with the appropriate secondary reagents to detect mouse Wnt-8A. The detection limit for rmWnt-8A 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 mouse Wnt-8A. The detection limit for rmWnt-8A is approximately 0.5 ng/lane under non-reducing and reducing conditions.

Immunohistochemistry - This antibody will detect Wnt-8A in cells and tissues. The working dilution is 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.