



## ***Anti-mouse Dhh N-terminal peptide Antibody***

### **ORDERING INFORMATION**

**Catalog Number:** AF733

**Lot Number:** DJR014121

**Size:** 100 µg

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

**Storage:** -20° C

**Reconstitution:** sterile PBS

**Specificity:** rmDhh N-terminal peptide

**Immunogen:** *E. coli*-derived rmDhh N-terminal peptide (aa 23 - 198)

**Ig Type:** goat IgG

**Applications:** Direct ELISA  
Western blot  
Immunohistochemistry

### ***Preparation***

Produced in goats immunized with purified, *E. coli*-derived, recombinant mouse desert hedgehog (rmDhh) N-terminal peptide. DHH specific IgG was purified by mouse Dhh N-terminal peptide affinity chromatography.

### ***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 rmDhh N-terminal peptide in direct ELISAs and western blots. In direct ELISAs and western blots, this antibody shows approximately 20% cross-reactivity with rmShh N-terminal peptide (aa 25 - 198). Additionally, in direct ELISAs, this antibody shows no cross-reactivity with rmDhh C-terminal peptide (aa 199 - 396) and rmlhh C-terminal peptide (aa 241 - 449).

### ***Applications***

**ELISA** - This antibody can be used at 0.5 - 1.0 µg/mL with the appropriate secondary reagents to detect mouse Dhh N-terminal peptide. The detection limit for rmDhh N-terminal peptide 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 Dhh N-terminal peptide. The detection limit for rmDhh N-terminal peptide is approximately 2 ng/lane under non-reducing and reducing conditions.

**Immunohistochemistry** - This antibody will detect Dhh in cells or tissues. The working dilution is 1.7 - 5 µg/mL. For chromogenic detection of labeling, it is recommended to use R&D Systems' Cell and Tissue Staining Kits (CTS Series).

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

**For immunohistochemistry images, please refer to our website at <http://www.rndsystems.com/ihc>**