



Monoclonal Anti-mouse Dhh C-terminal peptide Antibody

ORDERING INFORMATION

Catalog Number: MAB196

Clone: 148644

Lot Number: GCR02

Size: 500 µg

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

Storage: -20° C

Reconstitution: sterile PBS

Specificity: mouse Dhh C-terminal peptide

Immunogen: *E. coli*-derived rmDhh C-terminal peptide

Ig class: rat IgG_{2A}

Applications: ELISA
Western blot

Preparation

This antibody was produced from a hybridoma resulting from the fusion of a mouse myeloma with B cells obtained from a rat immunized with purified, *E. coli*-derived, recombinant mouse desert hedgehog (rmDhh C-terminal peptide, aa 199 - 396). The IgG fraction of the tissue culture supernatant was purified by Protein G affinity chromatography. Dhh is a secreted molecule that regulates development of several tissues via interaction with its receptors, Patched and Patched-2.

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 500 µg/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 was selected for its ability to detect mouse Dhh C-terminal peptide in direct ELISAs and western blots. In western blots, this antibody shows no cross-reactivity with rmDhh N-terminal peptide (aa 23 - 198), rmShh (aa 199 - 437), rmShh (aa 25 - 198) or rmlhh (aa 241 - 499).

Applications

Direct ELISA - This antibody can be used at 0.5 - 1.0 µg/mL with the appropriate secondary reagents to detect mouse Dhh C-terminal peptide. The detection limit for rmDhh C-terminal peptide is approximately 1 ng/well.

Western Blot - This antibody can be used at 1 - 2 µg/mL with the appropriate secondary reagents to detect mouse Dhh C-terminal peptide. The detection limit for rmDhh C-terminal peptide is approximately 5 ng/lane under non-reducing and reducing conditions.

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