Biotinylated Anti-mouse Shh (C-terminal peptide) Antibody

ORDERING INFORMATION

Catalog Number: BAF445

Lot Number: CDP01

Size: 50 µg

Formulation: 0.2 µm filtered solution in PBS

Storage: -20° C

Reconstitution: sterile 0.1% BSA in TBS

Specificity: rmShh C-terminal peptide

Immunogen: *E. coli*-derived 6X histidine-tagged rmShh C-terminal peptide (aa 199 - 437) and N-terminal peptide (aa 25 - 198)

Ig Type: mouse 6X histidine-tagged Shh C-terminal peptide specific goat IgG

Applications: Western blot

Preparation

Produced in goats immunized with purified, *E. coli*-derived, recombinant mouse 6X histidine-tagged Sonic Hedgehog (rmShh) C-terminal peptide and N-terminal peptide. Shh C-terminal peptide specific IgG was purified by first passing the goat sera over a mouse Shh N-terminal peptide affinity column. The unbound fraction from the mouse Shh N-terminal peptide affinity column was subsequently purified using a mouse Shh C-terminal peptide affinity column and then biotinylated.

Formulation

Lyophilized from a 0.2 µm filtered solution in phosphate-buffered saline (PBS).

Reconstitution

Reconstitute with sterile Tris-buffered saline pH 7.3 (20 mM Trizma base, 150 mM NaCl) containing 0.1% BSA. If 1 mL of buffer is used, the antibody concentration will be 50 µg/mL.

Storage

Lyophilized samples are stable for greater than six months when held at -20° C to -70° C. Upon reconstitution, the antibody can be stored at 2° - 4° C for at least 1 month without detectable loss of activity. Reconstituted antibody can also be aliquotted and stored frozen at -20° C to -70° C for at least six months without detectable loss of activity. **Avoid repeated freeze-thaw cycles.**

Specificity

This antibody has been selected for use as a detection antibody in mouse Shh C-terminal peptide western blots. In western blots, this antibody shows no cross-reactivity with rmShh N-terminal peptide.

Application

Western Blot - This antibody can be used at 0.1 - 0.2 µg/mL with the appropriate secondary reagents to detect mouse Shh C-terminal peptide. The detection limit for rmShh C-terminal peptide is approximately 5 ng/lane under non-reducing and reducing conditions.

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