Mouse Sonic Hedgehog/Shh N-Terminus Biotinylated Antibody

Monoclonal Rat IgG_{2A} Clone # 171028

Catalog Number: BAM4642

DESCRIPTION

Species Reactivity	Mouse
Specificity	Detects mouse Sonic Hedgehog (Shh) N-terminal peptide in ELISAs. In ELISAs, this antibody shows approximately 10% cross-reactivity with recombinant human (rh) Shh N-terminal peptide but no cross-reactivity with rmDhh N-terminal (aa 23-198) or C-terminal (aa 199-396) peptides, rmShh C-terminal peptide (aa 199-437), or rmHIP.
Source	Monoclonal Rat IgG_{2A} Clone # 171028
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	*E. coli*-derived recombinant mouse Sonic Hedgehog N-Terminus Cys25-Gly198 (Lys122Arg) Accession # Q62226
Formulation	Lyophilized from a 0.2 μm filtered solution in PBS with BSA as a carrier protein. See Certificate of Analysis for details.

APPLICATIONS

Please Note: *Optimal dilutions should be determined by each laboratory for each application. General Protocols are available in the Technical Information section on our website.*

Mouse Sonic Hedgehog Sandwich Immunoassay		**Reagent**
ELISA Capture	2-8 µg/mL	Mouse Sonic Hedgehog/Shh N-Terminus Antibody (Catalog # MAB4641)
ELISA Detection	0.5-2.0 µg/mL	Mouse Sonic Hedgehog/Shh N-Terminus Biotinylated Antibody (Catalog # BAM4642)
Standard		Recombinant Mouse Sonic Hedgehog/Shh N-Terminus (Catalog # 461-SH)

PREPARATION AND STORAGE

Reconstitution	Reconstitute at 0.5 mg/mL in sterile PBS.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage	**Use a manual defrost freezer and avoid repeated freeze-thaw cycles.** ● 12 months from date of receipt, -20 to -70 °C as supplied. ● 1 month, 2 to 8 °C under sterile conditions after reconstitution. ● 6 months, -20 to -70 °C under sterile conditions after reconstitution.

BACKGROUND

Shh is a hedgehog protein that is instrumental in patterning the early embryo. The N-terminal peptide of Shh is released by autoproteolysis and functions through interactions with a multicomponent receptor complex containing the transmembrane proteins Patched and Smoothened.

bio-techne®
Global bio-techne.com info@bio-techne.com techsupport@bio-techne.com TEL +1 612 379 2956
USA TEL 800 343 7475 Canada TEL 855 668 8722 China TEL +86 (21) 52380373
Europe | Middle East | Africa TEL +44 (0)1235 529449