

Product Sheet

Antibody, Sonic Hedgehog (mouse monoclonal)

Catalog #	MAB-SHH-050; MAB-SHH-250; MAB-SHH-1000
Description	<p>Sonic hedgehog (SHh) plays an important role in embryonic development and in diseases such as cancer. Antibodies against SHh are useful reagents to investigate the expression and function of SHh.</p> <p>This product was generated by immunizing mice with recombinant human SHh (24-197) protein partially-purified from E. coli. The IgG fraction of the hybridoma cell culture supernatant was isolated by Protein A affinity chromatography.</p>
Formulation	Lyophilized in sterile filtered solution of PBS.
Reconstitution	The lyophilized antibody should be reconstituted in sterile PBS.
Stability	The lyophilized protein is stable for at least 1 year if stored at -80 degree C. Reconstituted protein is stable for at least 1 month at 4 degree C, but should be stored in aliquots at -80 degree C for longer term. Avoid repeated freeze and thaw.
Purity	Greater than 95% as determined by SDS-PAGE analysis
Biological Activity	The activity of this antibody in blocking SHh was determined by using a Gli reporter gene assay in 3T3 cells. The IC50 for inhibiting SHh-induced activation ranges 1 to 5 nM.
Utility	Functionally Blocking, Western Blot, IHC
Cross-reactivity	Human, mouse

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