

**AM06460SU-N****Monoclonal Antibody to IHOG - Ascites**

<b>Alternate names:</b>	CG9211, CT26314, Dmel\CG9211, Ihog, ihog
<b>Quantity:</b>	0.1 ml
<b>Background:</b>	The ihog gene (interference hedgehog), identified by RNA interference in Drosophila cultured cells, encodes a type 1 membrane protein shown here to bind and to mediate response to the active Hedgehog (Hh) protein signal. ihog mutations produce defects characteristic of Hh signaling loss in embryos and imaginal discs, and epistasis analysis places ihog action at or upstream of the negatively acting receptor component, Patched (Ptc). The first of two extracellular fibronectin type III (FNIII) domains of the Ihog protein mediates a specific interaction with Hh protein in vitro, but the second FNIII domain is additionally required for in vivo signaling activity and for Ihog-enhanced binding of Hh protein to cells coexpressing Ptc. Other members of the Ihog family, including Drosophila Boi and mammalian CDO and BOC, also interact with Hh ligands via a specific FNIII domain, thus identifying an evolutionarily conserved family of membrane proteins that function in Hh signal response.
<b>Uniprot ID:</b>	<a href="#">Q9VM64</a>
<b>NCBI:</b>	<a href="#">NP_609085.1</a>
<b>GeneID:</b>	<a href="#">33972</a>
<b>Host / Isotype:</b>	Mouse / IgG1
<b>Clone:</b>	3G8
<b>Immunogen:</b>	Purified recombinant fragment of human IHOG expressed in E. Coli.
<b>Format:</b>	<b>State:</b> Ascitic fluid containing 0.03% sodium azide.
<b>Applications:</b>	<b>Western Blot:</b> 1/500 - 1/2000. <b>ELISA:</b> 1/10000. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
<b>Molecular Weight:</b>	98 kDa
<b>Specificity:</b>	This antibody reacts to IHOG.
<b>Species Reactivity:</b>	<b>Tested:</b> Drosophila melanogaster
<b>Storage:</b>	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.
<b>General Readings:</b>	1. Cell. 2006 Apr 21;125(2):343-57. 2. Proc Natl Acad Sci U S A. 2006 Nov 14;103(46):17208-13.

## Pictures:

Western blot analysis using IHOG mAb against IHOG-hlgGfc transfected HEK293 cell lysate.

