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Product datasheet for AM06460SU-N

ihog Mouse Monoclonal Antibody [Clone ID: 3G8]

Product data:

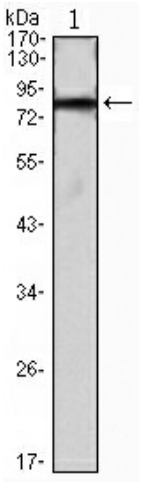
Product Type:	Primary Antibodies
Clone Name:	3G8
Applications:	ELISA, WB
Recommended Dilution:	**Western Blot**: 1/500 - 1/2000. **ELISA**: 1/10000.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Purified recombinant fragment of human IHOG expressed in E. Coli.
Specificity:	This antibody reacts to IHOG.
Formulation:	State: Ascites State: Ascitic fluid containing 0.03% sodium azide.
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	98 kDa
Database Link:	Q9VM64

View online »

Background: 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.

Synonyms: CG9211, CT26314, Dmel CG9211, ihog, Ihog

Product images:



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