

## Mouse Monoclonal Antibody to SMAD5

Catalogue Number	sAP-0502
Target Molecule	<b>Name:</b> SMAD5 <b>Aliases:</b> Dwfc; JV5-1; MADH5; DKFZp781C1895; DKFZp781O1323; SMAD5 <b>MW:</b> 52kDa <b>Entrez Gene ID:</b> 4090
Description	Transcriptional modulator activated by BMP (bone morphogenetic proteins) type 1 receptor kinase. SMAD5 is a receptor-regulated SMAD (R-SMAD). SMAD5 is required for normal development of the cardiovascular system in vivo; lack of the SMAD5 gene results in apoptosis of cardiac myocytes. 3 Upregulation of SMAD5 has been reported to mediate apoptosis of gastric epithelial cells induced by Helicobacter pylori infection. Tissue specificity: Ubiquitous.
Immunogen	Purified recombinant fragment of human SMAD5 expressed in E. Coli.
Reactive Species	Human; Rat
Clone	MM3H9;
Size and Concentration	100µg/1mg/ml
Supplied as	Lyophilized Powder from 100µl of Ascitic fluid containing 0.03% sodium azide.
Reconstitution/Storages	Reconstituted with 100µl sterile DI H <sub>2</sub> O, at stored at 4°C or -20°C for short or long term storage
Applications	ELISA: 1 to 10000; WB: 1 to 500 - 1 to 2000; IHC: 1 to 200 - 1 to 1000; ICC: 1 to 200 - 1 to 1000; FCM: 1 to 200 - 1 to 400
Shipping	Regular FEDEX overnight shipment (ambient temperature)
Reference	1. Proc Natl Acad Sci U S A. 2008 Mar 11;105(10):3927-32. ; 2. Nat Cell Biol. 2008 May;10(5):567-74.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**