

## Mouse Monoclonal Antibody to SMAD5

<b>Catalogue Number</b>	sAP-0502
<b>Target Molecule</b>	<p><b>Name: SMAD5</b></p> <p><b>Aliases:</b> Dwfc; JV5-1; MADH5; DKFZp781C1895; DKFZp781O1323; SMAD5</p> <p><b>MW: 52kDa</b></p> <p><b>Entrez Gene ID: 4090</b></p>
<b>Description</b>	<p>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.</p>
<b>Immunogen</b>	Purified recombinant fragment of human SMAD5 expressed in E. Coli.
<b>Reactive Species</b>	Human; Rat
<b>Clone</b>	MM3H9;
<b>Size and Concentration</b>	100µg/1mg/ml
<b>Supplied as</b>	Lyophilized Powder from 100µl of Ascitic fluid containing 0.03% sodium azide.
<b>Reconstitution/Storages</b>	Reconstituted with 100µl sterile DI H <sub>2</sub> O, at stored at 4°C or -20°C for short or long term storage
<b>Applications</b>	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
<b>Shipping</b>	Regular FEDEX overnight shipment (ambient temperature)
<b>Reference</b>	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**