

## Mouse Monoclonal Antibody to R-spondin1

<b>Catalogue Number</b>	sAP-0258
<b>Target Molecule</b>	<b>Name: R-spondin1</b> <b>Aliases:</b> RSPO1;CRISTIN3;FLJ40906 <b>MW: 28.9kDa</b> <b>Entrez Gene ID: 284654</b>
<b>Description</b>	R-spondin1, also known as RSPO1, CRISTIN3, FLJ40906. Entrez Protein NP_001033722.1. It is a member of the R-spondin family and a 28.9kDa secreted activator protein with two cysteine-rich, furin-like domains and one thrombospondin type 1 domain. In mice, the protein induces the rapid onset of crypt cell proliferation and increases intestinal epithelial healing, providing a protective effect against chemotherapy-induced adverse effects. It is activator of the beta-catenin signaling cascade, leading to TCF-dependent gene activation. Acts both in the canonical Wnt/beta-catenin-dependent pathway, possibly via a direct interaction with Wnt proteins, and in a Wnt-independent beta catenin pathway through a receptor signaling pathway that may not use frizzled/LRP receptors. Acts as a ligand for frizzled FZD8 and LRP6. May nega-
<b>Immunogen</b>	Purified recombinant fragment of R-spondin1 expressed in E. Coli. ;
<b>Recitative Species</b>	Human
<b>Clone</b>	MM7A6;
<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 H2O, 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
<b>Shipping</b>	Regular FEDEX overnight shipment (ambient temperature)
<b>Reference</b>	1. Nat Genet. 2006 Nov;38(11):1304-9. ; 2. Hum Mutat. 2008 Feb;29(2):220-6.

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**