R-spondin1 Mouse Monoclonal Antibody

E10-20317

Background: 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 cystein-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 negatively regulate the TGF-beta pathway. Has a essential roles in ovary determination.

Catalog Number: E10-20317

Amount: 100µg/100µl

Clone Number: 7A6

Species: Mouse IgG1

MW: 28.9kDa

Aliases: RSPO1;CRISTIN3;FLJ40906

Entrez Gene: 284654

Immunogen: Purified recombinant fragment of R-spondin1 expressed in E. Coli.

Storage: Store at 4 ℃ for 1 month. For long term storage, st ℃.

Formulation: Ascitic fluid containing 0.03% sodium azide.

Species Reactivities: Human

Tested Applications: WB,ELISA. Not yet tested in other applications. Determining optimal working dilutions by titration test.

Application notes: WB.1/500 - 1/2000.ELISA. Propose dilution 1/10000.

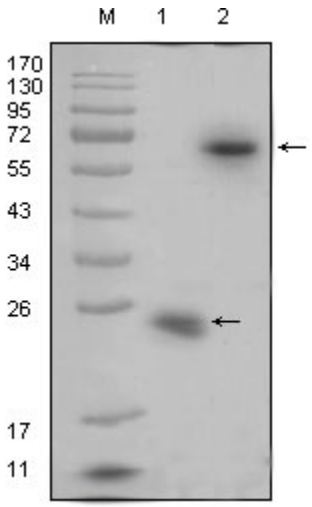

Figure 1. Western blot analysis using R-spondin1 mouse mAb against recombinant R-spondin1 protein (1) and R-spondin1(aa21-263)-hIgGFc transfected HEK293 cell lysate(2).

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