

Human R-Spondin-1 (RSPO1) ELISA Kit | RSPO1 elisa kit

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CATALOG #
AAA330983

REACTIVITY
Human

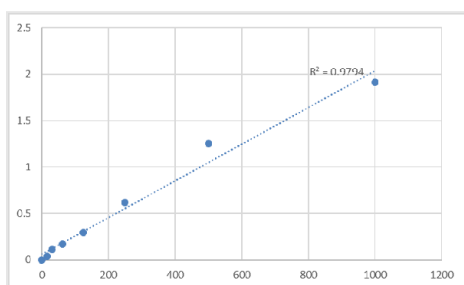
PRODUCT SYNONYMS

R-Spondin-1 (RSPO1); Human R-Spondin-1 (RSPO1) ELISA Kit; RSPO1; RP11-566C13.1; CRISTIN3; FLJ40906; RSPO; OTTHUMP00000180612; OTTHUMP00000180613; R-spondin1; roof plate-specific spondin; RSPO1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human R-spondin-1 (RSPO1) ELISA Kit has high sensitivity and excellent specificity for detection of Human RSPO1. No significant cross-reactivity or interference between Human RSPO1 and analogues was observed.
Sequence Length	263
Assay Type	Sandwich ELISA (Quantitative)
Samples	Cell Culture Supernatants, Serum, Plasma, Other Biological Fluids
Detection Method	Colorimetric
Usage Notes	* Do not mix components from different kit lots or use reagents beyond the kit expiration date. * Allow all reagents to warm to room temperature for at least 30 minutes before opening. * Pre-rinse the pipet tip with reagent, use fresh pipet tips for each sample, standard and reagent to avoid contamination. * Unused wells must be kept desiccated at 4 degree C in the sealed bag provided. * Mix Thoroughly is very important for the result. It is recommended using low frequency oscillator or slight hand shaking every 10 minutes. * It is recommended that all samples and standards be assayed in duplicate or triplicate.
Preparation and Storage	Store at 2-8 degree C.

IMAGES



Standard Curve (Sample)

Fig.1. Human R-spondin-1 (RSPO1) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for RSPO1 elisa kit	Description: This Human R-spondin-1 (RSPO1) ELISA Kit employs a two-site sandwich ELISA to quantitate RSPO1 in samples. An antibody specific for RSPO1 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any RSPO1 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for RSPO1 is added to the wells. After washing, Streptavidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of RSPO1 bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: RSPO1 is a member of the R-spondin family and encodes a 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.R-spondin transcripts were observed mainly in central nervous system (CNS) tissues, especially in association with the roof plate structure, in 10- and 12-dpc embryos. Outside the CNS, R-spondin transcripts were detected in forelimb buds after 10 dpc, especially in the body trunk and the proximal posterior part of the anterior limb bud. Expression was also observed in facial parenchyma surrounding the nasal cavity at 12 dpc.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	84490388
NCBI GeneID	284654
NCBI Accession #	NP_001033722.1
NCBI GenBank Nucleotide #	NP_001033722.1
UniProt Accession #	Q2MKA7
NCBI Official Full Name	R-spondin-1 isoform 1
NCBI Official Synonym Full Names	R-spondin 1
NCBI Official Symbol	RSPO1
NCBI Official Synonym Symbols	RSPO; CRISTIN3
NCBI Protein Information	R-spondin-1
UniProt Protein Name	R-spondin-1
UniProt Gene Name	RSPO1
UniProt Synonym Gene Names	hRsp1
UniProt Entry Name	RSPO1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.