

Human R-Spondin-2 (RSPO2) ELISA Kit | RSPO2 elisa kit

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CATALOG #
AAA330982

REACTIVITY
Human

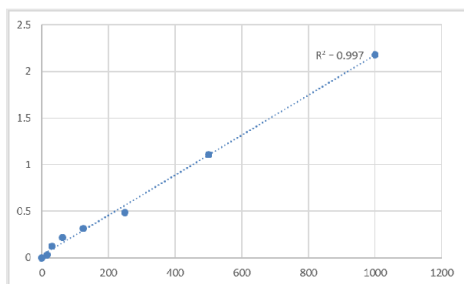
PRODUCT SYNONYMS

R-Spondin-2 (RSPO2); Human R-Spondin-2 (RSPO2) ELISA Kit; RSPO2; CRISTIN2; MGC35555; MGC43342; R-spondin family; member 2; RSPO2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human R-spondin-2 (RSPO2) ELISA Kit has high sensitivity and excellent specificity for detection of Human RSPO2. No significant cross-reactivity or interference between Human RSPO2 and analogues was observed.
Sequence Length	243
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-2 (RSPO2) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for RSPO2 elisa kit	Description: This Human R-spondin-2 (RSPO2) ELISA Kit employs a two-site sandwich ELISA to quantitate RSPO2 in samples. An antibody specific for RSPO2 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any RSPO2 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for RSPO2 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 RSPO2 bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: R-spondins (RSPOs), such as RSPO2, are secreted proteins that regulate beta-catenin (CTNNB1) signaling. Xenopus and human RSPO2 enhanced mouse Wnt3a signaling in transfected human embryonic kidney cells. C-terminally truncated Xenopus Rspo2, but not the full-length protein, was secreted from cells and retained its activity. Mutation analysis showed that the TSP1 domain of Xenopus Rspo2 was dispensable for activity, but the furin domains were required. RT-PCR analysis showed that Xenopus embryos injected with Wnt8 or beta-catenin induced Rspo2 and Rspo3. Overexpression of Rspo2 in Xenopus activated the Wnt/beta-catenin pathway upstream of dishevelled (DVL1), interfered with Tgfb-type growth factors, and promoted myogenesis.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	222446611
NCBI GeneID	340419
NCBI Accession #	NP_848660.3
NCBI GenBank Nucleotide #	NP_848660.3
UniProt Accession #	Q6UXX9
NCBI Official Full Name	R-spondin-2 isoform 1
NCBI Official Synonym Full Names	R-spondin 2
NCBI Official Symbol	RSPO2
NCBI Official Synonym Symbols	HHRRD; TETAMS2; CRISTIN2
NCBI Protein Information	R-spondin-2
UniProt Protein Name	R-spondin-2
UniProt Gene Name	RSPO2
UniProt Synonym Gene Names	hRspo2
UniProt Entry Name	RSPO2_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.