

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

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CATALOG #
AAA20391

REACTIVITY
Human

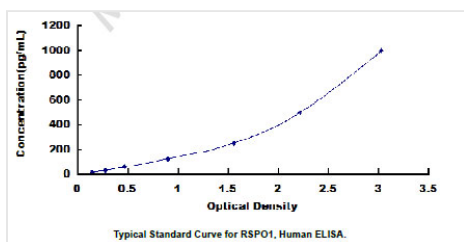
PRODUCT SYNONYMS

R-Spondin 1 (RSPO1); Human R-Spondin 1 (RSPO1) ELISA Kit; RSPONDIN; Roof plate-specific spondin-1; RSPO1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of RSPO1. No significant cross-reactivity or interference between RSPO1 and analogues was observed.
Sequence Length	263
Assay Type	Double-antibody Sandwich
Samples	Serum, Plasma, Tissue homogenates, Cell lysates, Cell culture supernates and other biological fluids
Detection Range	0.156-10ng/mL
Sensitivity	0.057ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level RSPO1 were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level RSPO1 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for RSPO1 elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of RSPO1 in human serum, plasma, tissue homogenates and other biological fluids. Principle of the Assay: The microplate provided in this kit has been pre-coated with an antibody specific to RSPO1. Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to RSPO1. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain RSPO1, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm +/- 10nm. The concentration of RSPO1 in the samples is then determined by comparing the O.D. of the samples to the standard curve.
Product Categories/Family for RSPO1 elisa kit	Signal Transduction

NCBI AND UNIPROT INFORMATION

NCBI GI #	84105054
NCBI GeneID	284654
Molecular Weight	21,775 Da
NCBI Official Full Name	R-spondin 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	hRspo1
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.

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Online datasheet: <https://stage.aaabiotech.com/human-elisa-kits/r-spondin-1-rspo1/20391>