

Mouse R-spondin homolog (Xenopus laevis) ELISA Kit | RSPO1 elisa kit

Mouse R-spondin-1, RSPO1 ELISA Kit

CATALOG #
AAA112838

REACTIVITY
Mouse

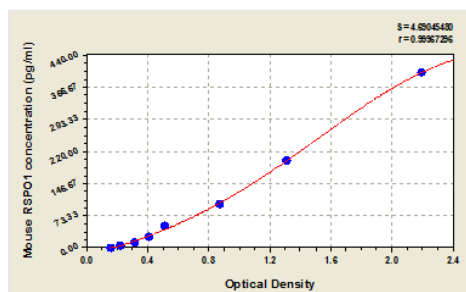
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of mouse RSPO1. No significant cross-reactivity or interference between mouse RSPO1 and analogues was observed.
Sequence Length	265
Samples	Serum, plasma, tissue homogenates
Assay Type	Sandwich
Detection Range	6.25 pg/ml -400 pg/ml.
Sensitivity	The minimum detectable dose of mouse RSPO1 is typically less than 1.56 pg/ml. The sensitivity of this assay, or Lower Limit of Detection (LLD) was defined as the lowest protein concentration that could be differentiated from zero. It was determined the mean O.D value of 20 replicates of the zero standard added by their three standard deviations.
Intra-assay Precision	Intra-assay Precision (Precision within an assay): CV%<8%. Three samples of known concentration were tested twenty times on one plate to assess.
Inter-assay Precision	Inter-assay Precision (Precision between assays): CV%<10%. Three samples of known concentration were tested in twenty assays to assess.
Preparation and Storage	Unopened test kits should be stored at 2 to 8 degree C upon receipt. Please refer to pdf manual for further storage instructions.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for RSPO1 elisa kit	Principle of the assay: This assay employs the quantitative sandwich enzyme immunoassay technique. 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, avidin 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.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	227452351
NCBI GeneID	192199
NCBI Accession #	NP_619624.2
NCBI GenBank Nucleotide #	NM_138683.2
UniProt Accession #	Q9Z132; Q3V1S3
Molecular Weight	29,332 Da
NCBI Official Full Name	R-spondin-1
NCBI Official Synonym Full Names	R-spondin homolog (Xenopus laevis)
NCBI Official Symbol	Rspo1
NCBI Official Synonym Symbols	Rspondin; R-spondin
NCBI Protein Information	R-spondin-1; cristin-3; mCristin-3; roof plate-specific spondin-1; thrombospondin type 1 domain containing gene Rspondin; cysteine-rich and single thrombospondin domain-containing protein 3
UniProt Protein Name	R-spondin-1
UniProt Gene Name	Rspo1
UniProt Synonym Gene Names	Cristin-3; mCristin-3
UniProt Entry Name	RSPO1_MOUSE

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/rspo1-mouse-elisa-kits/r-spondin-homolog-xenopus-laevis/112838>