

Human R-Spondin-4 ELISA Kit | RSPO4 elisa kit

Human R-Spondin-4 PicoKine ELISA Kit

CATALOG #
AAA46675

REACTIVITY
Human

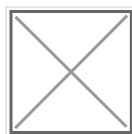
PRODUCT SYNONYMS

R-Spondin-4; Human R-Spondin-4 PicoKine ELISA Kit; C20orf182; CRISTIN4; hRspo4; R-spondin-4; RSPO4; Q2I0M5; RSPO4 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Natural and recombinant Human R-Spondin-4
Sequence Length	234
Samples	Cell culture supernates, serum and plasma(heparin, EDTA).
Assay Type	Sandwich
Detection Range	31.2pg/ml-2000pg/ml
Sensitivity	<10pg/ml
Intra-assay Precision	Intra-Assay Precision (Precision within an assay) Three samples of known concentration were tested on one plate to assess intra-assay precision.
Inter-assay Precision	Inter-Assay Precision (Precision between assays) Three samples of known concentration were tested in separate assays to assess inter-assay precision.
Preparation and Storage	Store at 4 degree C for 6 months, at -20 degree C for 12 months. Avoid multiple freeze-thaw cycles (Shipped with wet ice).

IMAGES



Standard Curve (Sample)

Human R-Spondin-4 PicoKine ELISA Kit standard curve

ADDITIONAL INFORMATION

Related Product Information for RSPO4 elisa kit	Principle of the Assay: Human R-Spondin-4 ELISA Kit was based on standard sandwich enzyme-linked immunesorbent assay technology. A monoclonal antibody from mouse specific for R-Spondin-4 has been precoated onto 96-well plates. Standards(Expression system for standard: NSO; Immunogen sequence: L20-P234) and test samples are added to the wells, a biotinylated detection polyclonal antibody from goat specific for R-Spondin-4 is added subsequently and then followed by washing with PBS or TBS buffer. Avidin-Biotin-Peroxidase Complex was added and unbound conjugates were washed away with PBS or TBS buffer. HRP substrate TMB was used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the Human R-Spondin-4 amount of sample captured in plate. Background/Introduction: R-spondin 4 is a protein in humans that is encoded by the RSPO4 gene. It is mapped to chromosome 20p13. This gene encodes a member of the R-spondin family of proteins that share a common domain organization consisting of a signal peptide, cysteine-rich/furin-like domain, thrombospondin domain and a C-terminal basic region. The encoded protein may be involved in activation of Wnt/beta-catenin signaling pathways. Mutations in this gene are associated with anonychia congenital. Alternate splicing results in multiple transcript variants.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	83722284
NCBI GeneID	343637
NCBI Accession #	NP_001025042.2
NCBI GenBank Nucleotide #	NM_001029871.3
UniProt Accession #	Q2I0M5; Q9UGB2; A2A2I6
Molecular Weight	19,607 Da
NCBI Official Full Name	R-spondin-4 isoform 1
NCBI Official Synonym Full Names	R-spondin 4
NCBI Official Symbol	RSPO4
NCBI Official Synonym Symbols	CRISTIN4; C20orf182
NCBI Protein Information	R-spondin-4
UniProt Protein Name	R-spondin-4
UniProt Gene Name	RSPO4
UniProt Synonym Gene Names	C20orf182; hRspo4
UniProt Entry Name	RSPO4_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/rspo4-human-elisa-kits/r-spondin-4/46675>