

Human R-Spondin-3 ELISA Kit | RSPO3 elisa kit

Human R-Spondin-3 PicoKine ELISA Kit

CATALOG #
AAA46686

REACTIVITY
Human

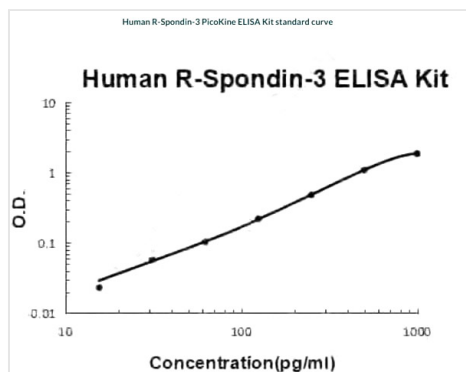
PRODUCT SYNONYMS

R-Spondin-3; Human R-Spondin-3 PicoKine ELISA Kit; CRISTIN1; hPWTSR; hRspo3; PWTSR; R-spondin-3; R-spondin 3 homolog; R-spondin-3 [Precursor]; THSD2; Q9BXY4; RSPO3 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Natural and recombinant Human RSPO3
Sequence Length	272
Samples	Cell culture supernatants, cell lysates, serum and plasma (heparin, EDTA)
Detection Range	15.6 pg/ml - 1,000 pg/ml
Sensitivity	<10 pg/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 across 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)

ADDITIONAL INFORMATION

Related Product Information for RSPO3 elisa kit	Background: R-spondin-3 is a protein that in humans is encoded by the RSPO3 gene. This gene belongs to the R-spondin family. The encoded protein plays a role in the regulation of Wnt (wingless-type MMTV integration site family)/beta-catenin and Wnt/planar cell polarity (PCP) signaling pathways, which are involved in development, cell growth and disease pathogenesis. Genome-wide association studies suggest a correlation of this gene with bone mineral density and risk of fracture. This gene may be involved in tumor development. Principle of the Assay: The Picokine™ Human RSPO3 Pre-Coated ELISA (Enzyme-Linked Immunosorbent Assay) kit is a solid-phase immunoassay specially designed to measure Human RSPO3 with a 96-well strip plate that is pre-coated with antibody specific for RSPO3. The detection antibody is a biotinylated antibody specific for RSPO3. The capture antibody is monoclonal antibody from mouse and the detection antibody is polyclonal antibody from goat. The kit contains recombinant Human RSPO3 with immunogen: Expression system for standard: NS0; Immunogen sequence: Q22-H272. The kit is analytically validated with ready-to-use reagents. To measure Human RSPO3, add standards and samples to the wells, then add the biotinylated detection antibody. Wash the wells with PBS or TBS buffer, and add Avidin-Biotin-Peroxidase Complex (ABC-HRP). Wash away the unbound ABC-HRP with PBS or TBS buffer and add TMB. TMB is an HRP substrate and will be catalyzed to produce a blue color product, which changes into yellow after adding the acidic stop solution. The absorbance of the yellow product at 450nm is linearly proportional to Human RSPO3 in the sample. Read the absorbance of the yellow product in each well using a plate reader, and benchmark the sample wells' readings against the standard curve to determine the concentration of Human RSPO3 in the sample.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	18490982
NCBI GeneID	84870
NCBI Accession #	NP_116173.2
NCBI GenBank Nucleotide #	NM_032784.4
UniProt Accession #	Q9BXY4; Q5VTV4; Q96K87; B2RC27
Molecular Weight	33,233 Da
NCBI Official Full Name	R-spondin-3
NCBI Official Synonym Full Names	R-spondin 3
NCBI Official Symbol	RSPO3
NCBI Official Synonym Symbols	PWTSR; THSD2; CRISTIN1
NCBI Protein Information	R-spondin-3
UniProt Protein Name	R-spondin-3
UniProt Gene Name	RSPO3
UniProt Synonym Gene Names	PWTSR; THSD2; hPWTSR; hRspo3
UniProt Entry Name	RSPO3_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/rspo3-human-elisa-kits/r-spondin-3/46686>