

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

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CATALOG #
AAA330981

REACTIVITY
Human

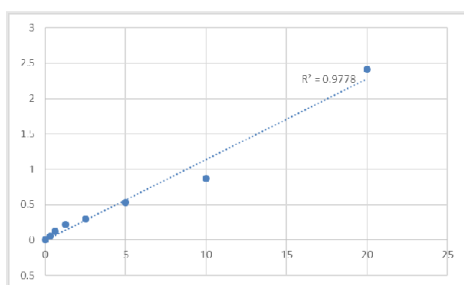
PRODUCT SYNONYMS

R-Spondin-3 (RSPO3); Human R-Spondin-3 (RSPO3) ELISA Kit; RSPO3; CRISTIN1; FLJ14440; PWTSR; THSD2; R-spondin 3; thrombospondin; type I; domain containing 2; thrombospondin-like; RSPO3 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human R-spondin-3 (RSPO3) ELISA Kit has high sensitivity and excellent specificity for detection of Human RSPO3. No significant cross-reactivity or interference between Human RSPO3 and analogues was observed.
Sequence Length	272
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-3 (RSPO3) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for RSPO3 elisa kit	Description: This Human R-spondin-3 (RSPO3) ELISA Kit employs a two-site sandwich ELISA to quantitate RSPO3 in samples. An antibody specific for RSPO3 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any RSPO3 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for RSPO3 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 RSPO3 bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: RSPO3 encodes a member of the thrombospondin type 1 repeat supergene family. In addition, the protein contains a furin-like cysteine-rich region. Furin-like repeat domains have been found in a variety of eukaryotic proteins involved in the mechanism of signal transduction by receptor tyrosine kinases. The 272-amino acid protein has an N-terminal cys-rich domain (CRD) and a central thrombospondin type-1 (THBS1) repeat (TSR) domain. Northern blot analysis detected 3.0- and 4.0-kb transcripts in placenta, lung, and skeletal muscle. RT-PCR revealed ubiquitous expression, with highest levels in placenta, small intestine, fetal thymus, and lymph node. RSPO3 expression was detected in all tumor tissues examined except a lung carcinoma and an ovarian carcinoma.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	18490982
NCBI GeneID	84870
NCBI Accession #	NP_116173.2
NCBI GenBank Nucleotide #	NP_116173.2
UniProt Accession #	Q9BXY4
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.