

Human Ribonucleoside-Diphosphate Reductase Large Subunit (RRM1) ELISA Kit | RRM1 elisa kit

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CATALOG #
AAA330986

REACTIVITY
Human

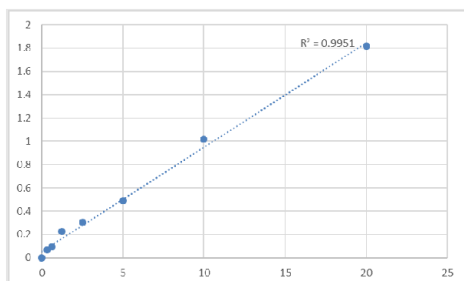
PRODUCT SYNONYMS

Ribonucleoside-Diphosphate Reductase Large Subunit (RRM1); Human Ribonucleoside-Diphosphate Reductase Large Subunit (RRM1) ELISA Kit; RRM1; R1; RIR1; RR1; ribonucleoside-diphosphate reductase M1 chain; ribonucleotide reductase M1 polypeptide; ribonucleotide reductase; R1 subunit; large subunit; RRM1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Ribonucleoside-diphosphate reductase large subunit (RRM1) ELISA Kit has high sensitivity and excellent specificity for detection of Human RRM1. No significant cross-reactivity or interference between Human RRM1 and analogues was observed.
Sequence Length	792
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 Ribonucleoside-diphosphate reductase large subunit (RRM1) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for RRM1 elisa kit	Description: This Human Ribonucleoside-diphosphate reductase large subunit (RRM1) ELISA Kit employs a two-site sandwich ELISA to quantitate RRM1 in samples. An antibody specific for RRM1 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any RRM1 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for RRM1 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 RRM1 bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: RRM1 encodes one of two non-identical subunits which constitute ribonucleoside-diphosphate reductase, an enzyme essential for the production of deoxyribonucleotides prior to DNA synthesis in S phase of dividing cells. It is one of several genes located in the imprinted gene domain of 11p15.5, an important tumor-suppressor gene region. Alterations in this region have been associated with the Beckwith-Wiedemann syndrome, Wilms tumor, rhabdomyosarcoma, adrenocortical carcinoma, and lung, ovarian, and breast cancer. This gene may play a role in malignancies and disease that involve this region. This gene is oriented in a head-to-tail configuration with the stromal interaction molecule 1 gene (STIM1), with the 3' end of STIM1 situated 1.6 kb from the 5' end of this gene.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	132608
NCBI GeneID	6240
UniProt Accession #	P23921
NCBI Official Full Name	Ribonucleoside-diphosphate reductase large subunit
NCBI Official Synonym Full Names	ribonucleotide reductase catalytic subunit M1
NCBI Official Symbol	RRM1
NCBI Official Synonym Symbols	R1; RR1; RIR1
NCBI Protein Information	ribonucleoside-diphosphate reductase large subunit
UniProt Protein Name	Ribonucleoside-diphosphate reductase large subunit
UniProt Gene Name	RRM1
UniProt Synonym Gene Names	RR1
UniProt Entry Name	RIR1_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/ribonucleoside-diphosphate-reductase-large-subunit-rrm1/330986>