

Human Ribonuclease, RNase A Family 2 (RNASE2) ELISA Kit | RNASE2 elisa kit

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CATALOG #
AAA330988

REACTIVITY
Human

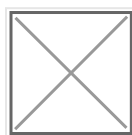
PRODUCT SYNONYMS

Ribonuclease; RNase A Family 2 (RNASE2); Human Ribonuclease; RNase A Family 2 (RNASE2) ELISA Kit; RNASE2; EDN; RNS2; RNASE2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Ribonuclease, RNase A family 2 (RNASE2) ELISA Kit has high sensitivity and excellent specificity for detection of Human RNASE2. No significant cross-reactivity or interference between Human RNASE2 and analogues was observed.
Sequence Length	161
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 Ribonuclease, RNase A family 2 (RNASE2) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for RNASE2 elisa kit	Description: This Human Ribonuclease, RNase A family 2 (RNASE2) ELISA Kit employs a two-site sandwich ELISA to quantitate RNASE2 in samples. An antibody specific for RNASE2 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any RNASE2 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for RNASE2 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 RNASE2 bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: Eosinophil-derived neurotoxin is a distinct cationic protein of the eosinophil's large specific granule known primarily for its ability to induce ataxia, paralysis, and central nervous system cellular degeneration in experimental animals (Gordon phenomenon). Rosenberg et al. (1989) isolated a 725-bp cDNA clone for EDN. The open reading frame encodes a 134-amino acid polypeptide with a molecular mass of 15.5 kD and a 27-residue N-terminal hydrophobic leader sequence. The sequence of the mature polypeptide was identical to that reported for human urinary ribonuclease and to the N-terminal sequence of human liver ribonuclease. Similarities to the ribonucleases of pancreas and angiogenin indicate that EDN belongs to the ribonuclease multigene family. This gene is also symbolized RNS2 for ribonuclease 2.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	181955
NCBI GeneID	6036
UniProt Accession #	P10153
NCBI Official Full Name	eosinophil-derived neurotoxin
NCBI Official Synonym Full Names	ribonuclease A family member 2
NCBI Official Symbol	RNASE2
NCBI Official Synonym Symbols	EDN; RAF3; RNS2
NCBI Protein Information	non-secretory ribonuclease
UniProt Protein Name	Non-secretory ribonuclease
UniProt Gene Name	RNASE2
UniProt Synonym Gene Names	EDN; RNS2; RNase 2
UniProt Entry Name	RNAS2_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/ribonuclease-rnase-a-family-2-rnase2/330988>