

Human Ribonuclease A3 (RNASE3) ELISA Kit | RNASE3 elisa kit

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CATALOG #
AAA67456

REACTIVITY
Human

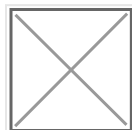
PRODUCT SYNONYMS

Ribonuclease A3 (RNASE3); Human Ribonuclease A3 (RNASE3) ELISA Kit; Rnase-A3; RnaseA3; ECP; RNS3; Ribonuclease; RNase A Family 3; Eosinophil Cationic Protein; RNASE3 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of RNASE3. No significant cross-reactivity or interference between RNASE3 and analogues was observed.
Sequence Length	160
Samples	Serum, plasma, cell lysates or other biological fluids
Assay Type	Quantitative Sandwich
Detection Range	78.1-5000pg/mL
Sensitivity	< 28.43pg/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level RNASE3 were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level RNASE3 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	For unopened kit, all reagents should be kept according to the labels on vials. The TMB Substrate, Wash Buffer, Stop Solution should be stored at 4 degree C. All others should be stored at -20 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for RNASE3 elisa kit

Intended Uses: The kit is a sandwich enzyme immunoassay for the in vitro quantitative measurement of RNASE3 in human serum, plasma, cell lysates or other biological fluids.

Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to RNASE3. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to RNASE3. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain RNASE3, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm +/- 10nm. The concentration of RNASE3 in the samples is then determined by comparing the O.D. of the samples to the standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	45243507
NCBI GeneID	6037
NCBI Accession #	NP_002926.2
NCBI GenBank Nucleotide #	NM_002935.2
UniProt Accession #	P12724; Q4VBC1; Q8WTP7; Q8WZ62; Q9GZN9
Molecular Weight	18,385 Da
NCBI Official Full Name	eosinophil cationic protein
NCBI Official Synonym Full Names	ribonuclease A family member 3
NCBI Official Symbol	RNASE3
NCBI Official Synonym Symbols	ECP; RAF1; RNS3
NCBI Protein Information	eosinophil cationic protein
UniProt Protein Name	Eosinophil cationic protein
UniProt Gene Name	RNASE3
UniProt Synonym Gene Names	ECP; RNS3; ECP; RNase 3

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-a3-rnase3/67456>