

Rat ribonuclease, RNase A family, 3 (eosinophil cationic protein) ELISA Kit | RNASE3 elisa kit

Rat eosinophil Cationic protein, ECP ELISA Kit

CATALOG # AAA80288	REACTIVITY Rat
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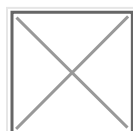
PRODUCT SYNONYMS

ribonuclease; RNase A family; 3 (eosinophil cationic protein); Rat eosinophil Cationic protein; ECP ELISA Kit; Rat eosinophil cationic protein; ECP; RNS3; cytotoxic ribonuclease; eosinophil cationic protein; RNASE3 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of Rat RNASE3. No significant cross-reactivity or interference between Rat RNASE3 and analogues was observed.
Sequence Length	155
Samples	Serum, plasma and tissue homogenates
Detection Range	62.5 pg/ml-4000 pg/ml
Sensitivity	15.6 pg/ml
Intra-assay Precision	Intra-assay Precision (Precision within an assay): CV% is less than 8% Three samples of known concentration were tested twenty times on one plate to assess. Inter-assay Precision (Precision between assays): CV% is less than 10% Three samples of known concentration were tested in twenty assays to assess.
Detection Wavelength	450 nm
Sample Volume	50-100ul
Preparation and Storage	Unopened test kits should be stored at 2 to 8 degree C upon receipt. Please refer to pdf manual for further storage instructions.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for RNASE3 elisa kit	<p>Introduction: Eosinophil cationic protein (ECP) is a small, basic protein found in the matrix of the eosinophil's large specific granule that has cytotoxic, helminthotoxic, and ribonuclease activity, and is a member of the ribonuclease multigene family. Human eosinophil granules contain several basic proteins including ECP, eosinophil-derived neurotoxin (EDN) and major basic protein (MBP). ECP and MBP are potent helminthotoxins while EDN is less so. Both ECP and EDN possess neurotoxic and ribonuclease activities</p> <p>Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to ECP. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific for ECP and Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. Then a TMB (3,3',5,5' tetramethyl-benzidine) substrate solution is added to each well. Only those wells that contain ECP, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of a sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450 nm +/- 2 nm. The concentration of ECP in the samples is then determined by comparing the O.D. of the samples to the standard curve</p>
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NCBI AND UNIPROT INFORMATION

NCBI GI #	20302099
NCBI GeneID	192264
NCBI Accession #	NP_620257.1
NCBI GenBank Nucleotide #	NM_138902.1
UniProt Accession #	P70709
Molecular Weight	18,007 Da
NCBI Official Full Name	eosinophil cationic protein
NCBI Official Synonym Full Names	eosinophil-associated, ribonuclease A family, member 11
NCBI Official Symbol	Ear11
NCBI Official Synonym Symbols	R1; R7; EAR; ECP; Rnase3
NCBI Protein Information	eosinophil cationic protein; EAR-11; RNase 3; ribonuclease 1; ribonuclease 3; ribonuclease 7; eosinophil-associated ribonuclease; eosinophil secondary granule ribonuclease 11
UniProt Protein Name	Eosinophil cationic protein
UniProt Gene Name	Rnase3
UniProt Synonym Gene Names	Ear11; Rns3; ECP; EAR-11; RNase 3
UniProt Entry Name	ECP_RAT

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/rnase3-rat-elisa-kits/ribonuclease-rnase-a-family-3-eosinophil-cationic-protein/80288>