

Human Eosinophil cationic protein ELISA Kit | ECP elisa kit

Human Eosinophil cationic protein (ECP) ELISA Kit

CATALOG #
AAA55465

REACTIVITY
Human

PRODUCT SYNONYMS

Eosinophil cationic protein; Human Eosinophil cationic protein (ECP) ELISA Kit; ECP elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Human ECP. No significant cross-reactivity or interference between Human ECP and analogues was observed.
Sequence Length	160
Samples	Serum, plasma and other biological fluids
Assay Type	Quantitative Sandwich
Detection Range	1.56 ng/mL - 100 ng/mL
Sensitivity	0.52 ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay) Three samples of known concentration were tested twenty times on one plate to assess intra-assay precision. Intra-Assay: CV<8%
Inter-assay Precision	Inter-assay Precision (Precision between assays) Three samples of known concentration were tested in forty separate assays to assess inter-assay precision. CV (%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	Store at 2-8 degree C.

ADDITIONAL INFORMATION

Related Product Information for ECP elisa kit

Intended Uses: For the quantitative detection of Human Eosinophil cationic protein (ECP) concentration in serum, plasma and other biological fluids.

Principle of the Assay: This assay employs a two-site sandwich ELISA to quantitate ECP in Human serum, plasma. An antibody specific for ECP has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any ECP present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for ECP 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 ECP bound in the initial step. The color development is stopped and the intensity of the color is measured.

NCBI AND UNIPROT INFORMATION

NCBI GI #	45243507
NCBI GeneID	6037
NCBI Accession #	NP_002926.2
NCBI GenBank Nucleotide #	NM_002935.2
Molecular Weight	18,385 Da

NCBI Official Full Name	eosinophil cationic protein
NCBI Official Synonym Full Names	ribonuclease, RNase A family, 3
NCBI Official Symbol	RNASE3
NCBI Official Synonym Symbols	ECP; RNS3
NCBI Protein Information	eosinophil cationic protein; RNase 3; ribonuclease 3; cytotoxic ribonuclease
UniProt Protein Name	Eosinophil cationic protein
UniProt Gene Name	RNASE3
UniProt Synonym Gene Names	ECP; RNS3; ECP; RNase 3
UniProt Entry Name	ECP_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://www.aaabiotech.com/ecp-human-elisa-kits/eosinophil-cationic-protein/55465>