

Canine Eosinophil cationic protein ELISA Kit | ECP elisa kit

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CATALOG #
AAA89910

REACTIVITY
Canine

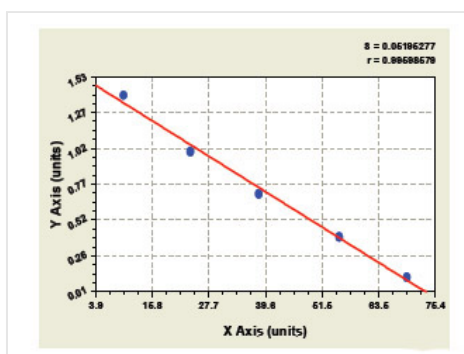
PRODUCT SYNONYMS

Eosinophil cationic protein; Canine Eosinophil cationic protein ELISA Kit; ECP elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Canine
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Sensitivity	0.1 ng/mL.
Preparation and Storage	Store all reagents at 2-8 degree C

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for ECP elisa kit

For samples: Serum, plasma, cell culture supernatants, body fluid and tissue homogenate

INTENDED USE This ECP ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Canine ECP. This ELISA kit for research use only!

PRINCIPLE OF THE ASSAY ECP ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-ECP antibody and an ECP-HRP conjugate. The assay sample and buffer are incubated together with ECP-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the ECP concentration since ECP from samples and ECP-HRP conjugate compete for the anti-ECP antibody binding site. Since the number of sites is limited, as more sites are occupied by ECP from the sample, fewer sites are left to bind ECP-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The ECP concentration in each sample is interpolated from this 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, 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://stage.aaabiotech.com/ecp-canine-elisa-kits/eosinophil-cationic-protein/89910>