

Canine Acrosin (ACR) ELISA Kit | ACR elisa kit

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CATALOG #
AAA244708

REACTIVITY
Canine

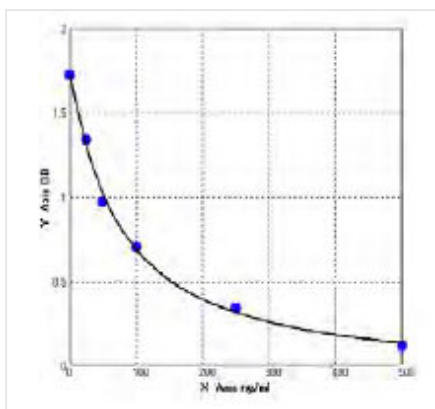
PRODUCT SYNONYMS

Acrosin (ACR); Canine Acrosin (ACR) ELISA Kit; ACR elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Canine
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	Quantitative Competitive
Sensitivity	1.0 ng/mL.
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for ACR elisa kit

Intended Uses: This ACR ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Canine ACR. This ELISA kit for research use only!

Principle of the Assay: ACR ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-ACR antibody and an ACR-HRP conjugate. The assay sample and buffer are incubated together with ACR-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 ACR concentration since ACR from samples and ACR-HRP conjugate compete for the anti-ACR antibody binding site. Since the number of sites is limited, as more sites are occupied by ACR from the sample, fewer sites are left to bind ACR-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The ACR concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	148613878
NCBI GeneID	49
NCBI Accession #	NP_001088.2
NCBI GenBank Nucleotide #	NM_001097.2
Molecular Weight	45,847 Da
NCBI Official Full Name	acrosin
NCBI Official Synonym Full Names	acrosin
NCBI Official Symbol	ACR
NCBI Protein Information	acrosin; proacrosin; preproacrosin; acrosin light and heavy chain prepropeptide
UniProt Protein Name	Acrosin
UniProt Gene Name	ACR
UniProt Synonym Gene Names	ACRS
UniProt Entry Name	ACRO_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/canine-elisa-kits/acrosin-acr/244708>