

Canine Contactin 4 ELISA Kit | CNTN4 elisa kit

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CATALOG #
AAA97159

REACTIVITY
Canine

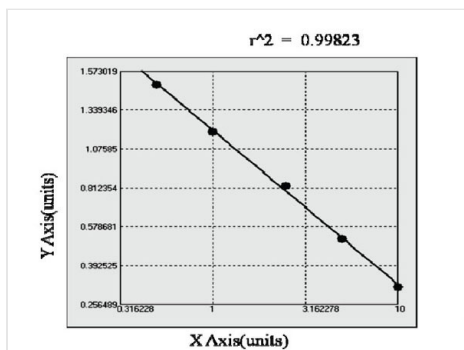
PRODUCT SYNONYMS

Contactin 4; Canine Contactin 4 ELISA Kit; CNTN4 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Canine
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Intended Uses	This CNTN4 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Canine CNTN4. This ELISA kit for research use only, not for therapeutic applications
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Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CNTN4 elisa kit

Principle of the Assay: CNTN4 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-CNTN4 antibody and an CNTN4-HRP conjugate. The assay sample and buffer are incubated together with CNTN4-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 CNTN4 concentration since CNTN4 from samples and CNTN4-HRP conjugate compete for the anti-CNTN4 antibody binding site. Since the number of sites is limited, as more sites are occupied by CNTN4 from the sample, fewer sites are left to bind CNTN4-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The CNTN4 concentration in each sample is interpolated from this standard curve.

Product Categories/Family for CNTN4 elisa kit

Neurobiology

NCBI AND UNIPROT INFORMATION

NCBI GI #	332688247
NCBI GeneID	152330
NCBI Accession #	NP_001193885.1
NCBI GenBank Nucleotide #	NM_001206956.1
Molecular Weight	76,655 Da
NCBI Official Full Name	contactin-4 isoform d
NCBI Official Synonym Full Names	contactin 4
NCBI Official Symbol	CNTN4
NCBI Official Synonym Symbols	AXCAM; BIG-2
NCBI Protein Information	contactin-4; neural cell adhesion protein BIG-2; axonal-associated cell adhesion molecule; brain-derived immunoglobulin superfamily protein 2
UniProt Protein Name	Contactin-4
UniProt Gene Name	CNTN4
UniProt Synonym Gene Names	BIG-2
UniProt Entry Name	CNTN4_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/cntn4-canine-elisa-kits/contactin-4/97159>