

Canine Insulin-like growth factor-2 ELISA Kit | IGF-2 elisa kit

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CATALOG #
AAA91655

REACTIVITY
Canine

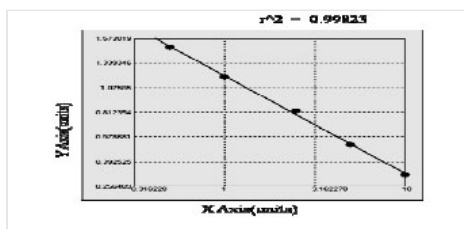
PRODUCT SYNONYMS

Insulin-like growth factor-2; Canine Insulin-like growth factor-2 ELISA Kit; IGF-2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Canine
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Sandwich
Detection Range	10-250ng/mL
Sensitivity	1.0ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for IGF-2 elisa kit

Intended Uses: This IGF-2 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Canine IGF-2. This ELISA kit for research use only!

Principle of the Assay: IGF-2 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-IGF-2 antibody and an IGF-2-HRP conjugate. The assay sample and buffer are incubated together with IGF-2-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 IGF-2 concentration since IGF-2 from samples and IGF-2-HRP conjugate compete for the anti-IGF-2 antibody binding site. Since the number of sites is limited, as more sites are occupied by IGF-2 from the sample, fewer sites are left to bind IGF-2-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The IGF-2 concentration in each sample is interpolated from this standard curve.

Product Categories/Family for IGF-2 elisa kit

Cancer

NCBI AND UNIPROT INFORMATION

NCBI GI #	189955
NCBI GeneID	3481
Molecular Weight	26,331 Da
NCBI Official Full Name	insulin-like growth factor II
NCBI Official Synonym Full Names	insulin-like growth factor 2
NCBI Official Symbol	IGF2
NCBI Official Synonym Symbols	IGF-II; PP9974; C11orf43
NCBI Protein Information	insulin-like growth factor II; insulin-like growth factor type 2; insulin-like growth factor 2 (somatomedin A)
UniProt Protein Name	Insulin-like growth factor II
UniProt Gene Name	IGF2
UniProt Synonym Gene Names	PP1446; IGF-II
UniProt Entry Name	IGF2_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/igf-2-canine-elisa-kits/insulin-like-growth-factor-2/91655>