

Canine Basic fibroblast growth factor receptor 1 (FGFR1) ELISA Kit | FGFR1 elisa kit

Canine Basic fibroblast growth factor receptor 1 (FGFR1) ELISA Kit

CATALOG #
AAA245553

REACTIVITY
Canine

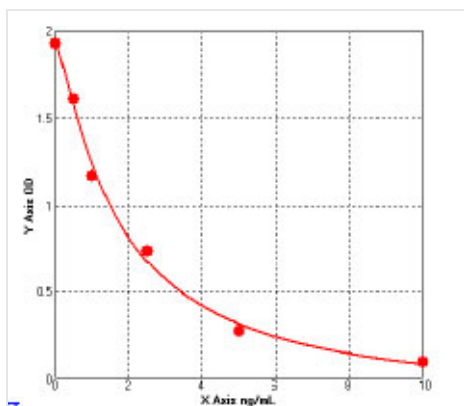
PRODUCT SYNONYMS

Basic fibroblast growth factor receptor 1 (FGFR1); Canine Basic fibroblast growth factor receptor 1 (FGFR1) ELISA Kit; FGFR1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Canine
Specificity	This assay has high sensitivity and excellent specificity for detection of FGFR1. No significant cross-reactivity or interference between FGFR1 and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between FGFR1 and all the analogues, therefore, cross reaction may still exist in some cases.
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	Quantitative 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 FGFR1 elisa kit	Intended Uses: This FGFR1 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Canine FGFR1. This ELISA kit for research use only, not for therapeutic or test applications! Principle of the Assay: FGFR1 ELISA kit applies the competitive enzyme immunoassay technique utilizing an anti-FGFR1 antibody and an FGFR1-HRP conjugate. The assay sample and buffer are incubated together with FGFR1-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 FGFR1 concentration since FGFR1 from samples and FGFR1-HRP conjugate compete for the anti-FGFR1 antibody binding site. Since the number of sites is limited, as more sites are occupied by FGFR1 from the sample, fewer sites are left to bind FGFR1-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The FGFR1 concentration in each sample is interpolated from this standard curve.
Product Categories/Family for FGFR1 elisa kit	Signal Transduction

NCBI AND UNIPROT INFORMATION

NCBI GI #	646721202
UniProt Accession #	P11362; P17049; Q02063; Q02065; Q14306; Q14307; Q53H63; Q59H40; Q5BJG2; A8K6T9; A8K8V5; C1KBH8
Molecular Weight	95,344 Da
NCBI Official Full Name	Basic fibroblast growth factor receptor 1, partial
UniProt Protein Name	Fibroblast growth factor receptor 1
UniProt Gene Name	FGFR1
UniProt Synonym Gene Names	BFGFR; CEK; FGFBR; FLG; FLT2; HBGFR; FGFR-1; BFGFR; bFGF-R-1; FLT-2
UniProt Entry Name	FGFR1_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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://www.aaabiotech.com/canine-elisa-kits/basic-fibroblast-growth-factor-receptor-1-fgfr1/245553>