

Canine Insulin-like Growth Factor 2 Receptor (IGF2R) ELISA Kit | IGF2R elisa kit

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CATALOG #
AAA247454

REACTIVITY
Canine

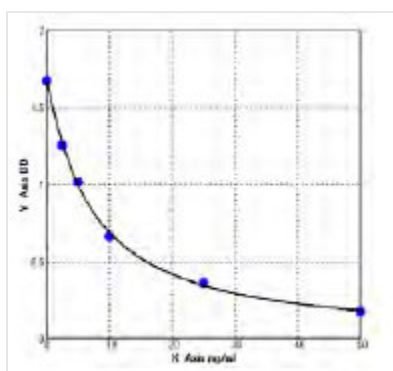
PRODUCT SYNONYMS

Insulin-like Growth Factor 2 Receptor (IGF2R); Canine Insulin-Like Growth Factor 2 Receptor (IGF2R) ELISA Kit; IGF2R elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Canine
Specificity	This assay has high sensitivity and excellent specificity for detection of IGF2R. No significant cross-reactivity or interference between IGF2R and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between IGF2R and all the analogues, therefore, cross reaction may still exist in some cases.
Sequence Length	2491
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	Quantitative Competitive
Sensitivity	0.1 ng/mL
Reactivity Note	No significant cross-reactivity or interference between this antigen and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection, therefore, cross reaction may still exist in some cases.
Preparation and Storage	Store at 2-8 degree C. The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for IGF2R elisa kit	Intended Uses: This IGF2R ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Canine IGF2R. This ELISA kit for research use only! Principle of the Assay: IGF2R ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-IGF2R antibody and an IGF2R-HRP conjugate. The assay sample and buffer are incubated together with IGF2R-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 IGF2R concentration since IGF2R from samples and IGF2R-HRP conjugate compete for the anti-IGF2R antibody binding site. Since the number of sites is limited, as more sites are occupied by IGF2R from the sample, fewer sites are left to bind IGF2R-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The IGF2R concentration in each sample is interpolated from this standard curve.
Product Categories/Family for IGF2R elisa kit	Signal Transduction; Tags & Cell Markers; Immunology

NCBI AND UNIPROT INFORMATION

NCBI GI #	6561206
NCBI GeneID	3482
Molecular Weight	274,375 Da
NCBI Official Full Name	insulin-like growth factor 2 receptor
NCBI Official Synonym Full Names	insulin like growth factor 2 receptor
NCBI Official Symbol	IGF2R
NCBI Official Synonym Symbols	MPR1; MPRI; CD222; CIMPR; M6P-R; MPR300; CI-M6PR; MPR 300; M6P/IGF2R
NCBI Protein Information	cation-independent mannose-6-phosphate receptor
UniProt Protein Name	Cation-independent mannose-6-phosphate receptor
UniProt Gene Name	IGF2R
UniProt Synonym Gene Names	MPRI; CI Man-6-P receptor; CI-MPR; M6PR; MPR 300; IGF-II receptor; M6P/IGF2R

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/insulin-like-growth-factor-2-receptor-igf2r/247454>