

Guinea Pig Insulin like Growth Factor1 ELISA Kit | IGF1 elisa kit

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CATALOG #
AAA82995

REACTIVITY
Guinea Pig

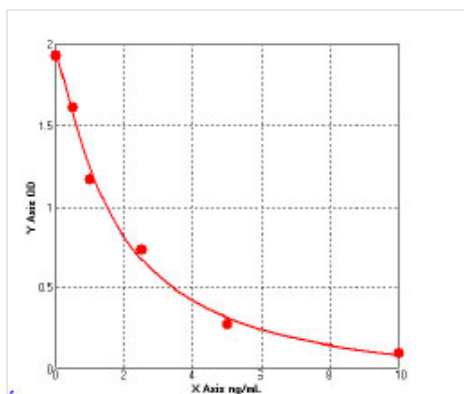
PRODUCT SYNONYMS

Insulin like Growth Factor1; Guinea pig Insulin like Growth Factor1 ELISA Kit; IGF1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Guinea Pig
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 IGF1 elisa kit

Intended Uses: This IGF-1 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Chicken IGF-1. This ELISA kit for research use only!

Principle of the Assay: IGF-1 ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-IGF-1 antibody and an IGF-1-HRP conjugate. The assay sample and buffer are incubated together with IGF-1-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-1 concentration since IGF-1 from samples and IGF-1-HRP conjugate compete for the anti-IGF-1 antibody binding site. Since the number of sites is limited, as more sites are occupied by IGF-1 from the sample, fewer sites are left to bind IGF-1-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The IGF-1 concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	163659903
NCBI GeneID	3479
NCBI Accession #	NP_001104755.1
NCBI GenBank Nucleotide #	NM_001111285.1
Molecular Weight	17,762 Da
NCBI Official Full Name	insulin-like growth factor I isoform 3 preproprotein
NCBI Official Synonym Full Names	insulin-like growth factor 1 (somatomedin C)
NCBI Official Symbol	IGF1
NCBI Official Synonym Symbols	IGFI; IGF-I; IGF1A
NCBI Protein Information	insulin-like growth factor I; MGF; IGF-IA; IGF-IB; somatomedin-C; mechano growth factor; insulin-like growth factor IA; insulin-like growth factor IB
UniProt Protein Name	Insulin-like growth factor I
UniProt Gene Name	IGF1
UniProt Synonym Gene Names	IBP1; IGF-I; MGF
UniProt Entry Name	IGF1_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.