

Datasheet for ABIN5510551

IGF2 ELISA Kit

1 Image



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Overview

Quantity:	96 tests
Target:	IGF2
Binding Specificity:	AA 25-91
Reactivity:	Hamster
Method Type:	Sandwich ELISA
Application:	ELISA

Product Details

Purpose:	Sandwich High Sensitivity ELISA kit for Quantitative Detection of Chinese hamster IGF-2
Brand:	PicoKine™
Analytical Method:	Quantitative
Detection Method:	Colorimetric
Specificity:	Expression system for standard: E.coli Immunogen sequence: A25-E91
Cross-Reactivity (Details):	There is no detectable cross-reactivity with IGF-1.
Characteristics:	Sequence similarities: Belongs to the insulin family.

Target Details

Target:	IGF2
Alternative Name:	Igf2 (IGF2 Products)

Target Details

Background:	Protein Function: The insulin-like growth factors possess growth-promoting activity. In vitro, they are potent mitogens for cultured cells. IGF-II is influenced by placental lactogen and may play a role in fetal development. Background: Insulin-like growth factor II is also known as somatomedin A. IGF-2 is a member of the insulin family of polypeptide growth factors that is involved in development and growth. It is paternally expressed in the fetus and placenta. IGF-II is a mitogen for many cell types and an important modulator of muscle growth and differentiation. IGF-II gene is prevalently expressed during prenatal development and its gene activity is regulated by genomic imprinting, in that the allele inherited from the father is active and the allele inherited from the mother is inactive in most normal tissues. IGF-II appears to be induced by placental lactogen during prenatal development. It is a mediator of prolactin-induced alveologenesis, prolactin, IGF-2, and cyclin D1, all of which are overexpressed in breast cancers, are components of a developmental pathway in the mammary gland. Synonyms: Insulin-like growth factor II,IGF-II,Multiplication-stimulating activity,MSA,Multiplication-stimulating polypeptide,Insulin-like growth factor II,Preptin,Igf2,Igf-2, Full Gene Name: Insulin-like growth factor II Cellular Localisation: Secreted.
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UniProt:	P01346
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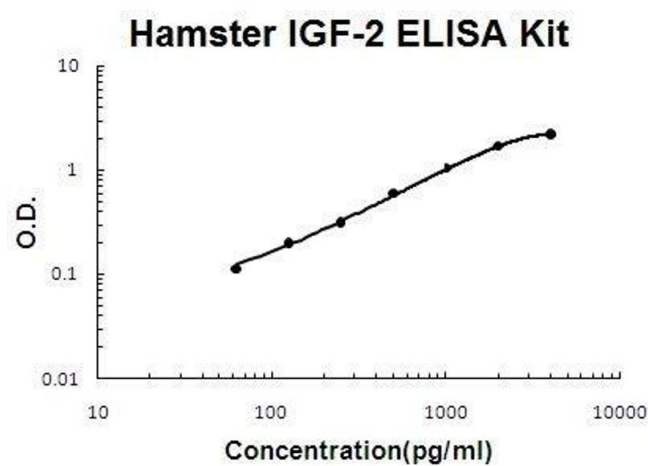
Pathways:	Hormone Activity , Regulation of Hormone Metabolic Process , Regulation of Hormone Biosynthetic Process , Regulation of Carbohydrate Metabolic Process , Activated T Cell Proliferation
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Application Details

Plate:	Pre-coated
Restrictions:	For Research Use only

Handling

Storage:	4 °C,-20 °C
Storage Comment:	Store at 4 °C for 6 months, at -20 °C for 12 months. Avoid multiple freeze-thaw cycles(Shipped with wet ice.)
Expiry Date:	12 months



ELISA

Image 1. Hamster IGF-2 PicoKine ELISA Kit standard curve