Datasheet for ABIN6720251

IGF2 ELISA Kit

1 Image

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Overview

Quantity:	1 kit
Target:	IGF2
Reactivity:	Mouse
Method Type:	Sandwich ELISA
Detection Range:	62.5 pg/mL - 4000 pg/mL
Minimum Detection Limit:	62.5 pg/mL
Application:	ELISA

Product Details

Purpose:	Sandwich ELISA for Quantitative Detection of Antigen
Sample Type:	Cell Culture Supernatant, Plasma (EDTA - heparin), Serum
Analytical Method:	Quantitative
Detection Method:	Colorimetric
Characteristics:	Synonyms: C11orf43, FLJ22066, FLJ44734, IGF 2, IGF II, IGF-II, IGF2, IGF2_HUMAN, IGFII, INSIGF, Insulin like Growth Factor 2, Insulin like growth factor 2 (somatomedin A), Insulin like growth factor II, Insulin like growth factor II precursor, Insulin like growth factor type 2, pp9974, Preptin, Putative insulin like growth factor II associated protein, Somatomedin A, Somatomedin-A 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

Product Details

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.

Gene Name: IGF2

Production: Natural and recombinant mouse IGF-2.

Standard: Expression system for standard: E.coli, Immunogen sequence: A25-E92

Target Details

Target:	IGF2
Alternative Name:	IGF-2 (IGF2 Products)
Gene ID:	16002
NCBI Accession:	NP_001116208
UniProt:	P09535
Pathways:	Hormone Activity, Regulation of Hormone Metabolic Process, Regulation of Hormone Biosynthetic Process, Regulation of Carbohydrate Metabolic Process, Activated T Cell Proliferation

Application Details

Application Notes:	Application Note: Useful in Sandwich ELISA for Quantitative Detection of Antigen. Aliquot 0.1 mL per well of the 4000pg/mL, 2000pg/mL,1000pg/mL, 500pg/mL, 250pg/mL, 125pg/mL, 62.5pg/mL mouse IGF-2 standard solutions into the precoated 96-well plate. Add 0.1 mL of the sample diluent buffer into the control well (Zero well). Add 0.1 mL of each properly diluted sample of mouse cell culture supernates, serum or plasma(heparin, EDTA) to each empty well. It is recommended that each mouse IGF-2 standard solution and each sample be measured in duplicate. Blood Product Anticoagulant: Heparin Sodium ELISA Dilution: 62.5pg/mL-4000pg/mL
Sample Volume:	100 µL

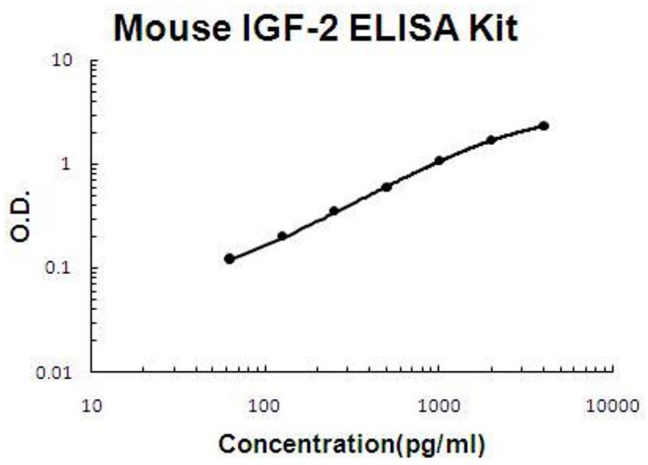
Application Details

Plate:	Pre-coated
Restrictions:	For Research Use only

Handling

Storage:	RT,4 °C,-20 °C
Storage Comment:	Store vials at 4°C prior to opening. Centrifuge product if not completely clear after standing at room temperature. This product is stable for 6 months at 4°C as an undiluted liquid. Dilute only prior to immediate use. For extended storage freeze at -20°C or below for 12 months. Avoid cycles of freezing and thawing.

Images



ELISA

Image 1. Mouse IGF-2 Accusignal ELISA Kit Mouse IGF-2 AccuSignal ELISA Kit standard curve. Assay Range: 62.5pg/ml-4000pg/ml. Sensitivity: <5pg/ml.