Datasheet for ABIN6720107
IGF1R ELISA Kit

1	Image

Overview

Quantity:	1 kit
Target:	IGF1R
Reactivity:	Human
Method Type:	Sandwich ELISA
Detection Range:	156 pg/mL - 10000 pg/mL
Minimum Detection Limit:	156 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: CD221, IGF 1R, IGF I receptor, IGF-I receptor, Igf1r, IGF1R_HUMAN, IGFIR, IGFR, Insulin like growth factor 1 receptor, Insulin like growth factor I receptor, Insulin-like growth factor 1 receptor beta chain, Insulin-like growth factor I receptor, JTK13, MGC142170, MGC142172, MGC18216
	Background: IGF1R, also called IGFR or insulin-like growth factor 1 receptor, is a protein that found on the surface of human cells. This gene is mapped to 15q26.3. IGF1R belongs to the large class of tyrosine kinase receptors. This receptor mediates the effects of IGF-1, which is a polypeptide protein hormone similar in molecular structure to insulin. It plays an important role

Product Details

in growth and continues to have anabolic effects in adults - meaning that it can induce hypertrophy of skeletal muscle and other target tissues. IGF1R also plays a critical role in transformation events. It is highly overexpressed in most malignant tissues where it functions as an anti-apoptotic agent by enhancing cell survival.

Gene Name: IGF1R

Production: Natural and recombinant human IGF1R. There is no detectable cross-reactivity with other relevant proteins.

Standard: Expression system for standard: NSO, Immunogen sequence: E31-N932

Target Details

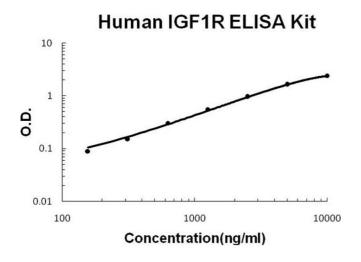| Target:	IGF1R
Alternative Name:	IGF1R (IGF1R Products)
Gene ID:	3480
NCBI Accession:	NP_000866
UniProt:	P08069
Pathways:	RTK Signaling, Regulation of Hormone Metabolic Process, Regulation of Hormone Biosynthetic Process, Autophagy

Application Details

Application Notes:	Application Note: Useful in Sandwich ELISA for Quantitative Detection of Antigen. Aliquot 0.1 mL per well of the 10000pg/mL, 5000pg/mL, 2500pg/mL, 1250pg/mL, 625pg/mL, 312pg/mL, 156pg/mL human IGF1R 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 human cell culture supernates, serum or plasma(heparin, EDTA) to each empty well. It is recommended that each human IGF1R standard solution and each sample be measured in duplicate. Blood Product Anticoagulant: Heparin Sodium ELISA Dilution: 156pg/mL-10000pg/mL
Sample Volume:	100 μL
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. Human IGF1R Accusignal ELISA Kit Human IGF1R AccuSignal ELISA Kit standard curve. Assay Range: 156pg/ml-10000pg/ml. Sensitivity: <10pg/ml.