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Datasheet for ABIN6719898
IGF2R ELISA Kit

Overview

Quantity:	1 kit
Target:	IGF2R
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 Lysate, Cell Culture Supernatant, Plasma (EDTA - heparin), Serum, Tissue Homogenate
Analytical Method:	Quantitative
Detection Method:	Colorimetric
Characteristics:	<p>Synonyms: 300 kDa mannose 6 phosphate receptor, Cation independent mannose 6 phosphate receptor, CD222, CD222 antigen, CI Man 6 P receptor, CI-M6PR, CI-MPR, CIMPR, IGF 2 receptor, IGF 2R, IGF II receptor, IGF2 receptor, IGF2R, Insulin like growth factor 2 receptor, Insulin like growth factor II receptor, M6P R, M6P/IGF2 receptor, M6P/IGF2R, M6PR, mannose 6 phosphate receptor, mannose 6 phosphate receptor cation independent, MPR300, MPRI, MPRI_HUMAN</p> <p>Background: Insulin-like growth factor 2 receptor, also called IGF2R or I-MPR is a protein that in</p>

Product Details

humans is encoded by the IGF2R gene. This gene is mapped to 6q25.3. This gene encodes a receptor for both insulin-like growth factor 2 and mannose 6-phosphate, although the binding sites for either are located on different segments of the receptor. This receptor functions in the intracellular trafficking of lysosomal enzymes, the activation of transforming growth factor beta, and the degradation of insulin-like growth factor 2. While the related mouse gene shows exclusive expression from the maternal allele, imprinting of the human gene appears to be polymorphic, with only a minority of individuals showing expression from the maternal allele.

Gene Name: IGF2R

Production: Natural and recombinant human IGF2R. There is no detectable cross-reactivity with other relevant proteins.

Standard: Expression system for standard: NSO, Immunogen sequence: S1510-F2108

Target Details

Target: IGF2R

Alternative Name: IGF2R ([IGF2R Products](#))

Gene ID: 3482

NCBI Accession: [NP_000867](#)

UniProt: [P11717](#)

Application Details

Application Notes: Application Note: Useful in Sandwich ELISA for Quantitative Detection of Antigen. Aliquot 0.1 mL per well of the 10,000pg/mL, 5000pg/mL, 2500pg/mL, 1250pg/mL, 625pg/mL, 312pg/mL, 156pg/mL human IGF2R 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 IGF2R standard solution and each sample be measured in duplicate.

Blood Product Anticoagulant: Heparin Sodium

ELISA Dilution: 156pg/mL-10,000pg/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.