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Datasheet for KOA0198

Mouse IGF-2 ELISA Kit

Overview

Description:	Mouse IGF-2 AccuSignal ELISA Kit - KOA0198
Item No.:	KOA0198
Size:	1 Kit
Applications:	ELISA
Reactivity:	Mouse
Range:	62.5 pg/ml - 4000 pg/ml

Product Details

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:	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
Detection Kit Type:	ELISA Kit
Detection Range:	62.5 pg/ml - 4000 pg/ml
Sensitivity:	<5 pg/ml

Target Details

Gene Name:	IGF2
Reactivity:	Mouse

Immunogen:	Expression system for standard: E.coli; Immunogen sequence: A25-E92
Purity/Specificity:	Natural and recombinant mouse IGF-2.
Relevant Links:	• UniProtKB - P09535 • NCBI - NP_001116208.1 • GeneID - 16002 • KOA0198 Protocol

Application Details

Tested Applications:	ELISA
Application Note:	Useful in Sandwich ELISA for Quantitative Detection of Antigen. Aliquot 0.1ml 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 0.1ml of the sample diluent buffer into the control well (Zero well). Add 0.1ml 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.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
ELISA:	62.5pg/ml-4000pg/ml
Other:	DOE: 2-8° C - 09/01/2019 -20° C - 03/01/2020

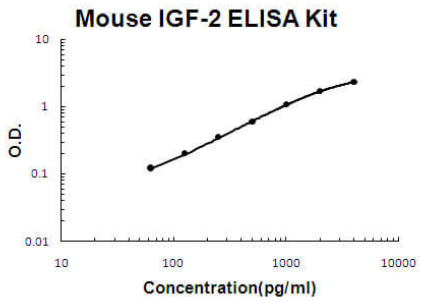
Formulation

Concentration:	1 Kit
Anticoagulant:	Heparin Sodium

Shipping & Handling

Shipping Condition:	Wet Ice
Storage Condition:	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.
Expiration:	See kit insert for complete instructions.

Images



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

Disclaimer

This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information. All products of animal origin manufactured by Rockland Immunochemicals are derived from starting materials of North American origin. Collection was performed in United States Department of Agriculture (USDA) inspected facilities and all materials have been inspected and certified to be free of disease and suitable for exportation. All properties listed are typical characteristics and are not specifications. All suggestions and data are offered in good faith but without guarantee as conditions and methods of use of our products are beyond our control. All claims must be made within 30 days following the date of delivery. The prospective user must determine the suitability of our materials before adopting them on a commercial scale. Suggested uses of our products are not recommendations to use our products in violation of any patent or as a license under any patent of Rockland Immunochemicals, Inc. If you require a commercial license to use this material and do not have one, then return this material, unopened to: Rockland Inc., P.O. BOX 5199, Limerick, Pennsylvania, USA.