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Datasheet for KOA0333

Human VEGFR2 - KDR ELISA Kit

Overview

Description:	Human VEGFR2/KDR AccuSignal ELISA Kit - KOA0333
Item No.:	KOA0333
Size:	1 Kit
Applications:	ELISA
Reactivity:	Human
Range:	62.5 pg/ml - 4000 pg/ml

Product Details

Background:	Vascular endothelial growth factor receptor 2(VEGFR-2) also known as Kinase insert domain receptor(KDR, a type III receptor tyrosine kinase) is a VEGF receptor. Through in situ hybridization of a genomic DNA probe to metaphase chromosomes, VEGFR2 was localized to 4q11-->q12. VEGF receptor 2 and the adherens junction act as shear-stress cotransducers, mediating the transduction of shear-stress signals into vascular endothelial cells.
Synonyms:	CD309, Fetal liver kinase 1, FLK1, KDR, Kinase insert domain receptor, Kinase insert domain receptor (a type III receptor tyrosine kinase), Protein tyrosine kinase receptor Flk 1, Tyrosine kinase growth factor receptor, Vascular endothelial growth factor receptor 2, VEGFR, VEGFR 2, VEGFR2
Detection Kit Type:	ELISA Kit
Detection Range:	62.5 pg/ml - 4000 pg/ml
Sensitivity:	<4 pg/ml

Target Details

Gene Name:	KDR
Reactivity:	Human
Immunogen:	Expression system for standard: NSO; Immunogen sequence: A20-E764
Purity/Specificity:	Natural and recombinant human VEGFR2. There is no detectable cross-reactivity with other relevant proteins.

Relevant Links:	• UniProtKB - P35968 • NCBI - NP_002244.1 • GeneID - 3791 • KOA0333 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 human VEGFR2 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 human cell culture supernates, serum or plasma(heparin, EDTA) to each empty well. We recommend that each human VEGFR2 standard solution and each sample is measured in duplicate.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.

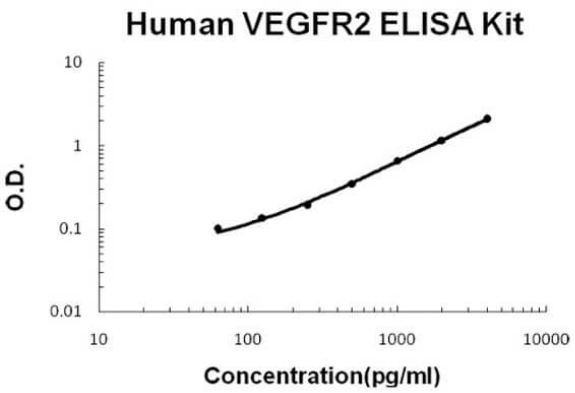
Formulation

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
Human VEGFR2/KDR AccuSignal ELISA Kit standard curve.
Assay Range: 62.5pg/ml-4000pg/ml. Sensitivity: <4pg/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.