

Datasheet for KOA0590**Human ANGPTL4 ELISA Kit****Overview**

Description:	Human ANGPTL4 AccuSignal ELISA Kit - KOA0590
Item No.:	KOA0590
Size:	1 Kit
Applications:	ELISA
Reactivity:	Human
Range:	625 pg/ml - 40000 pg/ml

Product Details

Background:	Angiopoietin-related protein 4(Angptl4) is a protein that in humans is encoded by the ANGPTL4 gene. This gene is a member of the angiopoietin/angiopoietin-like gene family and encodes a glycosylated, secreted protein with a fibrinogen C-terminal domain. This gene is induced under hypoxic conditions in endothelial cells and is the target of peroxisome proliferation activators. By radiation hybrid analysis, Angptl4 gene is mapped to 19p13.3. ANGPTL4 contributed to tumor growth and protected cells from anoikis, a form of programmed cell death induced when contact-dependent cells detach from the surrounding tissue matrix.
Synonyms:	425O18 1, Angiopoietin like 4, Angiopoietin related protein 4, ANGPT L2 , ANGPT L4, ANGPTL2, ANGPTL4 , Fasting induced adipose factor , FIAF, Fibrinogen/angiopoietin related protein, Hepatic fibrinogen/angiopoietin related protein , HFARP, Major histocompatibility complex region NG27, NL2, Peroxisome proliferator-activated receptor (PPAR) gamma induced angiopoietin related protein , PGAR, pp1158 , PPARG angiopoietin related protein , PSEC0166 , Secreted protein Bk89, Weakly similar to angiopoietin 1
Detection Kit Type:	ELISA Kit
Detection Range:	625 pg/ml - 40000 pg/ml
Sensitivity:	<20 pg/ml

Target Details

Gene Name:	ANGPTL4
Reactivity:	Human

Immunogen:	Expression system for standard: NSO; Immunogen sequence: L165-S406
Purity/Specificity:	Natural and recombinant human ANGPTL4. There is no detectable cross-reactivity with other relevant proteins.
Relevant Links:	• UniProtKB - Q9BY76 • NCBI - NP_001034756.1 • GenelD - 51129 • KOA0590 Protocol

Application Details

Tested Applications:	ELISA
Application Note:	Useful in Sandwich ELISA for Quantitative Detection of Antigen. Aliquot 0.1ml per well of the 40000pg/ml, 20000pg/ml, 10000pg/ml, 5000pg/ml, 2,500pg/ml, 1,250pg/ml, 625pg/ml human ANGPTL4 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. It is recommended that each human ANGPTL4 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.

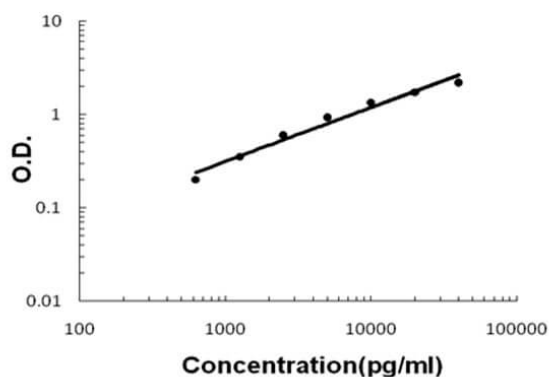
Formulation

Anticoagulant:	Heparin Sodium
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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

Human ANGPTL4 ELISA Kit**ELISA**

Human ANGPTL4 AccuSignal ELISA Kit standard curve. Assay Range: 625pg/ml-40000pg/ml. Sensitivity: <20pg/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.