

Datasheet for KOA0811**Rat VEGFR3 - FLT4 ELISA Kit****Overview**

Description:	Rat VEGFR3/FLT4 AccuSignal ELISA Kit - KOA0811
Item No.:	KOA0811
Size:	1 Kit
Applications:	ELISA
Reactivity:	Rat
Range:	156 pg/ml - 10,000 pg/ml

Product Details

Background:	Fms-related tyrosine kinase 4, also known as FLT4 or VEGFR3, is a protein which in humans is encoded by the FLT4 gene. It is mapped to 5q35.3. This gene encodes a tyrosine kinase receptor for vascular endothelial growth factors C and D. The protein is thought to be involved in lymph angiogenesis and maintenance of the lymphatic endothelium. FLT4 has an essential role in the development of the embryonic cardiovascular system before the emergence of the lymphatic vessels. It has been found that FLT4, which provides proangiogenic signaling when expressed on endothelium, may also have antiangiogenic properties when expressed at an avascular site by nonendothelial cells. FLT4 is also regarded as a regulator of vascular network formation.
Synonyms:	FLT 4, FLT4, FLT41, Fms like tyrosine kinase 4, Fms related tyrosine kinase 4, LMPH1A, PCL, Tyrosine protein kinase receptor FLT4, Vascular endothelial growth factor receptor 3, VEGFR 3, VEGFR3
Detection Kit Type:	ELISA Kit
Detection Range:	156 pg/ml - 10,000 pg/ml
Sensitivity:	<10 pg/ml

Target Details

Gene Name:	FLT4
Reactivity:	Rat
Immunogen:	Expression system for standard: NSO; Immunogen sequence: Y25-D770

Purity/Specificity: Natural and recombinant rat VEGFR3. There is no detectable cross-reactivity with other relevant proteins.

Relevant Links:

- [UniProtKB - Q91ZT1](#)
- [NCBI - NP_446104.1](#)
- [GeneID - 114110](#)
- [KOA0811 Protocol](#)

Application Details

Tested Applications: ELISA

Application Note: Useful in Sandwich ELISA for Quantitative Detection of Antigen. Aliquot 0.1ml per well of the 10,000pg/ml, 5000pg/ml, 2500pg/ml, 1250pg/ml, 625pg/ml, 312pg/ml, 156pg/ml rat VEGFR3 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 rat cell culture supernates or serum to each empty well. It is recommended that each rat VEGFR3 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

Shipping & Handling

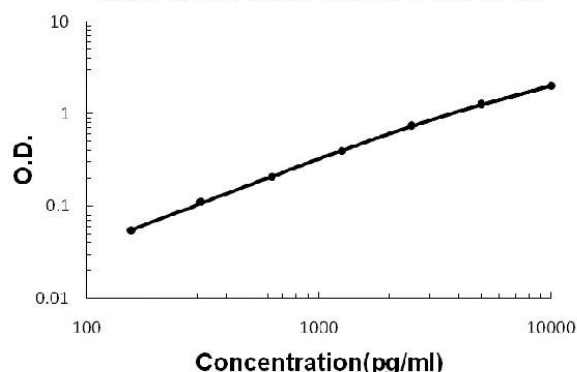
Shipping Condition: Wet Ice

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

Rat VEGFR3/FLT4 ELISA Kit



ELISA

Rat VEGFR3/FLT4 ELISA Kit standard curve.

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.