

Datasheet for KOA0332**Human sVEGFR1 - sFLT1 ELISA Kit****Overview**

Description:	Human sVEGFR1/sFLT1 AccuSignal ELISA Kit - KOA0332
Item No.:	KOA0332
Size:	1 Kit
Applications:	ELISA
Reactivity:	Human
Range:	156 pg/ml - 10000 pg/ml

Product Details

Background:	sVEGFR1, also known as sFMS-related tyrosine kinase 1(sFLT1). Oncogene sFLT belongs to the src gene family and is related to oncogene ROS . Like other members of this family, it shows tyrosine protein kinase activity that is important for the control of cell proliferation and differentiation. sFLT is mapped to 13q12. sVEGF receptor 1 signaling is essential for osteoclast development and bone marrow formation in colony-stimulating factor 1-deficient mice. The standard product used in this kit is recombinant human sVEGFR1, consisting of 905 amino acids with the molecular mass of 100KDa.
Synonyms:	FLT, FLT 1, Flt-1, FLT1, Fms like tyrosine kinase 1, Fms related tyrosine kinase 1, Fms-like tyrosine kinase 1, Tyrosine protein kinase FRT, Tyrosine protein kinase receptor FLT, Tyrosine-protein kinase FRT, Tyrosine-protein kinase receptor FLT, Vascular endothelial growth factor receptor 1, Vascular endothelial growth factor/vascular permeability factor receptor, Vascular permeability factor receptor, VEGFR 1, VEGFR-1, VEGFR1, VGFR1_HUMAN
Detection Kit Type:	ELISA Kit
Detection Range:	156 pg/ml - 10000 pg/ml
Sensitivity:	<30 pg/ml

Target Details

Gene Name:	FLT1
Reactivity:	Human
Immunogen:	Expression system for standard: sf21; Immunogen sequence: S27-H687

Purity/Specificity: Natural and recombinant human Svegfr1. There is no detectable cross-reactivity with other relevant proteins.

Relevant Links:

- [KOA0332 SDS](#)
- [UniProtKB - P17948](#)
- [NCBI - NP_001153392.1](#)
- [GeneID - 2321](#)
- [KOA0332 Protocol](#)

Application Details

Tested Applications: ELISA

Application Note: Useful in Sandwich ELISA for Quantitative Detection of Antigen. Aliquot 0.1ml per well of the 10000pg/ml, 5000pg/ml, 2500pg/ml, 1250pg/ml, 625pg/ml, 312pg/ml, 156pg/ml human sVEGFR1 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(EDTA) to each empty well. It is recommended that each human sVEGFR1 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: 156pg/ml-10000pg/ml

Other: DOE:
2-8° C - 04/16/2026
-20° C - 10/15/2026

Formulation

Concentration: 1 Kit

Anticoagulant: Sodium EDTA

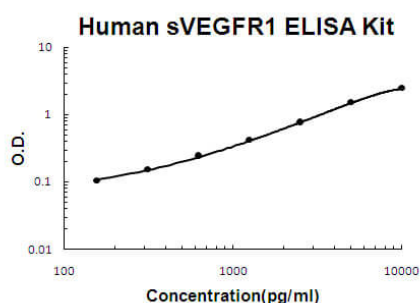
Shipping & Handling

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 sVEGFR1/sFLT1 AccuSignal ELISA Kit standard curve.
Assay Range: 156pg/ml-10000pg/ml. Sensitivity: <30pg/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.