

Datasheet for ABIN6719942

Soluble Vascular Endothelial Growth Factor Receptor 1 (sFlt-1/sVEGFR-1) ELISA Kit

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1 Image

Overview

Quantity:	1 kit
Target:	Soluble Vascular Endothelial Growth Factor Receptor 1(sFlt-1/sVEGFR-1)
Reactivity:	Human
Method Type:	Sandwich ELISA
Detection Range:	156 pg/mL - 10000 pg/mL
Minimum Detection Limit:	156 pg/mL
Application:	ELISA

Product Details

Purpose:	Sandwich ELISA for Quantitative Detection of Antigen
Sample Type:	Cell Culture Supernatant, Plasma (EDTA), Serum
Analytical Method:	Quantitative
Detection Method:	Colorimetric
Characteristics:	<p>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</p> <p>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</p>

Product Details

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.

Gene Name: FLT1

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

Standard: Expression system for standard: sf21, Immunogen sequence: S27-H687

Target Details

Target: Soluble Vascular Endothelial Growth Factor Receptor 1(sFlt-1/sVEGFR-1)

Alternative Name: sVEGFR1 - sFLT1

Gene ID: 2321

NCBI Accession: [NP_001153392](#)

UniProt: [P17948](#)

Application Details

Application Notes: Application Note: Useful in Sandwich ELISA for Quantitative Detection of Antigen. Aliquot 0.1 mL per well of the 10000pg/mL, 5000pg/mL, 2500pg/mL, 1250pg/mL, 625pg/mL, 312pg/mL, 156pg/mL human sVEGFR1 standard solutions into the pre-coated 96-well plate. Add 0.1 mL of the sample diluent buffer into the control well (Zero well). Add 0.1 mL 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.

Blood Product Anticoagulant: Sodium EDTA

ELISA Dilution: 156pg/mL-10000pg/mL

Other Performance Data: DOE: 2-8° C - 03/27/19 -20° C - 09/25/19

Sample Volume: 100 µL

Plate: Pre-coated

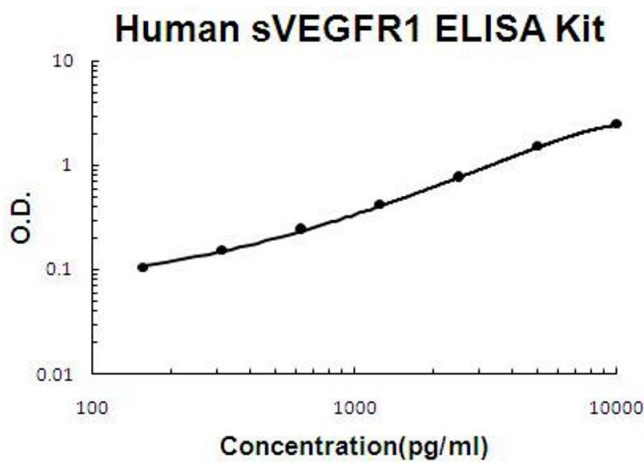
Restrictions: For Research Use only

Handling

Storage: RT, 4 °C, -20 °C

Storage Comment: 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.

Images



ELISA

Image 1. Human sVEGFR1/sFLT1 Accusignal ELISA Kit
Human sVEGFR1/sFLT1 AccuSignal ELISA Kit standard curve. Assay Range: 156pg/ml-10000pg/ml.
Sensitivity: <30pg/ml.