

Datasheet for ABIN2703569

FLT1 ELISA Kit[1 Image](#)[1 Publication](#)[Go to Product page](#)

Overview

Quantity: 96 tests

Target: FLT1

Reactivity: Human

Method Type: Sandwich ELISA

Detection Range: 1.5-400 ng/mL

Minimum Detection Limit: 1.5 ng/mL

Application: ELISA

Product Details

Purpose: Human VEGFR1 ELISA Kit for cell culture supernatants, plasma, and serum samples.

Sample Type: Cell Culture Supernatant, Plasma, Serum

Analytical Method: Quantitative

Detection Method: Colorimetric

Specificity: Cross Reactivity: This ELISA kit shows no cross-reactivity with the following cytokines tested: human Activin A, AgRP, Angiogenin, ANG-1, Angiostatin, Cathepsin S, CD40, Cripto-1, DAN, DKK-1, E-Cadherin, EpCAM, Fas L, Follistatin, Galectin-7, ICAM-2, IL-13 R1, IL-13R2, IL-17B, IL-2R alpha, IL-2 R beta, IL-23, LAP, NrCAM, PAI-1, PDGF-AB, Resistin, SDF-1 beta, sgp130, Shh N, Siglec-5, ST2, TGF-beta 2, Tie-2, TPO, TRAIL R4, TREM-1, VEGF-C.

Sensitivity: 1.5 ng/mL

Characteristics:

- Strip plates and additional reagents allow for use in multiple experiments

Product Details

- Quantitative protein detection
- Establishes normal range
- The best products for confirmation of antibody array data

- Components:
- Pre-Coated 96-well Strip Microplate
 - Wash Buffer
 - Stop Solution
 - Assay Diluent(s)
 - Lyophilized Standard
 - Biotinylated Detection Antibody
 - Streptavidin-Conjugated HRP
 - TMB One-Step Substrate

- Material not included:
- Distilled or deionized water
 - Precision pipettes to deliver 2 μ L to 1 μ L volumes
 - Adjustable 1-25 μ L pipettes for reagent preparation
 - 100 μ L and 1 liter graduated cylinders
 - Tubes to prepare standard and sample dilutions
 - Absorbent paper
 - Microplate reader capable of measuring absorbance at 450nm
 - Log-log graph paper or computer and software for ELISA data analysis

Target Details

Target: FLT1

Alternative Name: VEGFR1 ([FLT1 Products](#))

Background: Gene Names: FLT1 FLT FRT VEGFR1
Protein names: Vascular endothelial growth factor receptor 1 (VEGFR-1) (EC 2.7.10.1) (Fms-like tyrosine kinase 1) (FLT-1) (Tyrosine-protein kinase FRT) (Tyrosine-protein kinase receptor FLT) (FLT) (Vascular permeability factor receptor)

Gene ID: 2321

UniProt: [P17948](#)

Pathways: [RTK Signaling](#), [Signaling Events mediated by VEGFR1 and VEGFR2](#), [VEGFR1 Specific Signals](#)

Application Details

Application Notes: Recommended Dilution for serum and plasma samples 2 fold

Sample Volume: 100 μ L

Application Details

Plate: Pre-coated

Protocol:

1. Prepare all reagents, samples and standards as instructed in the manual.
2. Add 100 μ L of standard or sample to each well.
3. Incubate 2.5 h at RT or O/N at 4 °C.
4. Add 100 μ L of prepared biotin antibody to each well.
5. Incubate 1 h at RT.
6. Add 100 μ L of prepared Streptavidin solution to each well.
7. Incubate 45 min at RT.
8. Add 100 μ L of TMB One-Step Substrate Reagent to each well.
9. Incubate 30 min at RT.
10. Add 50 μ L of Stop Solution to each well.
11. Read at 450 nm immediately.

Restrictions: For Research Use only

Handling

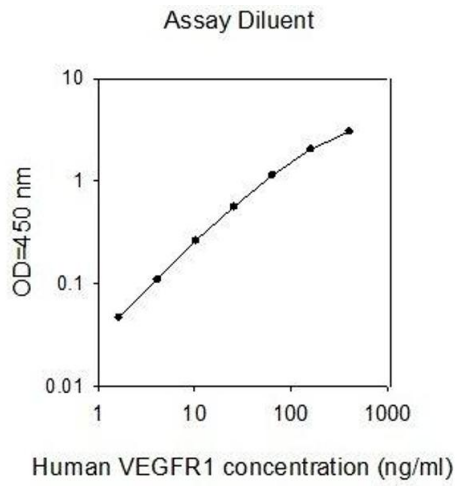
Storage: -20 °C

Storage Comment: The entire kit may be stored at -20°C for up to 1 year from the date of shipment. Avoid repeated freeze-thaw cycles. The kit may be stored at 4°C for up to 6 months. For extended storage, it is recommended to store at -80°C.

Expiry Date: 6 months

Publications

Product cited in: Wood, Cox, Phelps, Lai, Poddar, Talbot, Mu: "Thyroid Transcription Factor 1 Reprograms Angiogenic Activities of Secretome." in: **Scientific reports**, Vol. 6, pp. 19857, (2016) ([PubMed](#)).



ELISA

Image 1.