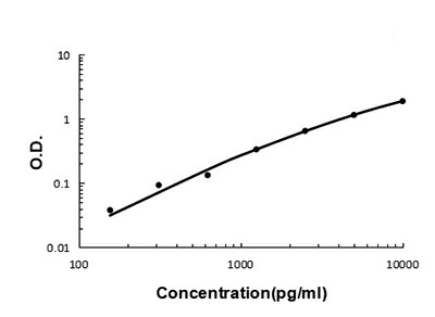
FLT1 (Human) ELISA Kit

Catalog # KA0665 Size 1 Kit

Applications



The standard curve is for the purpose of illustration only and should not be used to calculate unknowns. A standard curve should be generated each time the assay is performed.

Specification

Product Description	FLT1 (Human) ELISA Kit is a sandwich enzyme immunoassay for the quantitative measurement of human FLT1.
Suitable Sample	Cell Culture Supernatant, Plasma (EDTA), Serum
Sample Volume	100 uL
Label	HRP-conjugated
Detection Method	Colorimetric
Assay Type	Quantitative
Calibration Range	156 to 10000 pg/mL
Reactivity	Human
Regulation Status	For research use only (RUO)
Quality Control Testing	Standard curve The standard curve is for the purpose of illustration only and should not be used to calculate unknowns. A standard curve should be generated each time the assay is performed.
Storage Instruction	Store at 4°C for 6 months, at -20°C for 12 months. Avoid multiple freeze-thaw cycles.

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Applications

- Quantification

Gene Info — FLT1

Entrez GeneID	2321
Gene Name	FLT1
Gene Alias	FLT, VEGFR1
Gene Description	fms-related tyrosine kinase 1 (vascular endothelial growth factor/vascular permeability factor receptor)
Omim ID	165070
Gene Ontology	Hyperlink
Gene Summary	This gene encodes a member of the vascular endothelial growth factor receptor (VEGFR) family. VEGFR family members are receptor tyrosine kinases (RTKs) which contain an extracellular ligand-binding region with seven immunoglobulin (Ig)-like domains, a transmembrane segment, and a tyrosine kinase (TK) domain within the cytoplasmic domain. This protein binds to VEGFR-A, VEGFR-B and placental growth factor and plays an important role in angiogenesis and vasculogenesis. Expression of this receptor is found in vascular endothelial cells, placental trophoblast cells and peripheral blood monocytes. Multiple transcript variants encoding different isoforms have been found for this gene. Isoforms include a full-length transmembrane receptor isoform and shortened, soluble isoforms. The soluble isoforms are associated with the onset of pre-eclampsia
Other Designations	fms-related tyrosine kinase 1|soluble VEGF receptor 1-14|soluble VEGFR1 variant 2|soluble VEGFR1 variant 21|vascular endothelial growth factor/vascular permeability factor receptor

Publication Reference

- Levels of serum Hoxb3 and sFlt-1 in pre-eclamptic patients and their effects on pregnancy outcomes.

  Jun Zhou, Xiaohui Guo, Yuan Sun, Li Ma, Ruilian Zhe.

  The Journal of Obstetrics and Gynaecology Research 2020 Oct; 46(10):2010.

  Application: Quant, Human, Human serum

Pathway

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- Cytokine-cytokine receptor interaction
- Endocytosis
- Focal adhesion

Disease

- Abortion
- Adenocarcinoma
- Breast cancer
- Breast Neoplasms
- Bronchial Hyperreactivity
- Cardiovascular Diseases
- Cell Transformation
- Chorioamnionitis
- Colorectal Neoplasms
- Diabetes Mellitus
- Edema
- Esophageal Neoplasms
- Fetal Growth Retardation
- Fetal Membranes
- Genetic Predisposition to Disease
- Hypercholesterolemia
- Hypersensitivity
- Inflammation
- Kidney Failure
- Lymphoma

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- Malaria
- Melanoma
- Neovascularization
- Obstetric Labor
- Placenta Diseases
- Pre-Eclampsia
- Pregnancy Complications
- Premature Birth
- Sarcoidosis
- Scleroderma
- Skin Neoplasms
- Vaginosis

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