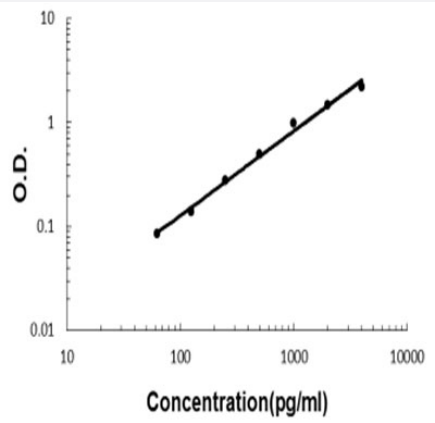
FLT3 (Human) ELISA Kit

Catalog # KA5940 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	FLT3 (Human) ELISA Kit is a sandwich enzyme-linked immunosorbent assay for quantitative detecti on of human FLT3 in cell culture supernates, lysates, tissue, serum and plasma (heparin, EDTA).
Suitable Sample	Cell culture supernates, lysates, tissue, serum and plasma (heparin, EDTA)
Sample Volume	100 uL
Label	HRP-conjugated
Detection Method	Colorimetric
Assay Type	Quantitative
Calibration Range	62.5 to 4000 pg/mL
Reactivity	Human
Regulatory 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 unknown s. A standard curve should be generated each time the assay is performed.

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Storage Instruction	Store at 4°C for six months. For long term storage store at -20°C. Avoid repeated freezing and thawing.

Applications

- Quantification

Gene Info — FLT3

Entrez GeneID	2322
Protein Accession#	P36888
Gene Name	FLT3
Gene Alias	CD135, FLK2, STK1
Gene Description	fms-related tyrosine kinase 3
Omim ID	136351 601626
Gene Ontology	Hyperlink
Gene Summary	This gene encodes a class III receptor tyrosine kinase that regulates hematopoiesis. The receptor consists of an extracellular domain composed of five immunoglobulin-like domains, one transme mbrane region, and a cytoplasmic kinase domain split into two parts by a kinase-insert domain. T he receptor is activated by binding of the fms-related tyrosine kinase 3 ligand to the extracellular d omain, which induces homodimer formation in the plasma membrane leading to autophosphorylat ion of the receptor. The activated receptor kinase subsequently phosphorylates and activates mult iple cytoplasmic effector molecules in pathways involved in apoptosis, proliferation, and differenti ation of hematopoietic cells in bone marrow. Mutations that result in the constitutive activation of th is receptor result in acute myeloid leukemia and acute lymphoblastic leukemia. [provided by RefS eq
Other Designations	CD135 antigen|FL cytokine receptor|FLT3 receptor tyrosine kinase|OTTHUMP00000042340|feta l liver kinase 2|growth factor receptor tyrosine kinase type III|stem cell tyrosine kinase 1|tyrosine-pr otein kinase receptor FLT3

Pathway

- Acute myeloid leukemia
- Cytokine-cytokine receptor interaction

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- Hematopoietic cell lineage
- Pathways in cancer

Disease

- Acute Disease
- Cardiovascular Diseases
- Cell Transformation
- Chromosome Aberrations
- Diabetes Mellitus
- Disease Progression
- Down Syndrome
- Edema
- Fractures
- Genetic Predisposition to Disease
- Leukemia
- Leukocytosis
- Lymphoproliferative Disorders
- Myelodysplastic Syndromes
- Neoplasm
- Neovascularization
- Noonan Syndrome
- Osteoporosis
- Pancreatic cancer
- Pancreatic Neoplasms
- Recurrence
- Tobacco Use Disorder

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- Translocation

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