

Bovine Vascular endothelial growth factor receptor 1 (FLT1) ELISA Kit | FLT1 elisa kit

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CATALOG #
AAA244381

REACTIVITY
Bovine

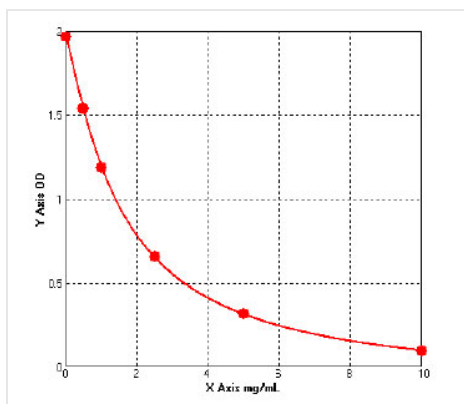
PRODUCT SYNONYMS

Vascular endothelial growth factor receptor 1 (FLT1); Bovine Vascular endothelial growth factor receptor 1 (FLT1) ELISA Kit; FLT1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Bovine
Specificity	This assay has high sensitivity and excellent specificity for detection of VEGFR1. No significant cross-reactivity or interference between VEGFR1 and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between VEGFR1 and all the analogues, therefore, cross reaction may still exist in some cases.
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	Quantitative Competitive
Sensitivity	0.1 ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for FLT1 elisa kit	Intended Uses: This VEGFR1 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Bovine VEGFR1. This ELISA kit for research use only, not for therapeutic or test applications! Principle of the Assay: VEGFR1 ELISA kit applies the competitive enzyme immunoassay technique utilizing an anti-VEGFR1 antibody and an VEGFR1-HRP conjugate. The assay sample and buffer are incubated together with VEGFR1-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the VEGFR1 concentration since VEGFR1 from samples and VEGFR1-HRP conjugate compete for the anti-VEGFR1 antibody binding site. Since the number of sites is limited, as more sites are occupied by VEGFR1 from the sample, fewer sites are left to bind VEGFR1-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The VEGFR1 concentration in each sample is interpolated from this standard curve.
Product Categories/Family for FLT1 elisa kit	Cancer

NCBI AND UNIPROT INFORMATION

NCBI GI #	229892220
NCBI GeneID	2321
NCBI Accession #	NP_001153392.1
NCBI GenBank Nucleotide #	NM_001159920.1
Molecular Weight	41,175 Da
NCBI Official Full Name	vascular endothelial growth factor receptor 1 isoform 2
NCBI Official Synonym Full Names	fms-related tyrosine kinase 1
NCBI Official Symbol	FLT1
NCBI Official Synonym Symbols	FLT; FLT-1; VEGFR1; VEGFR-1
NCBI Protein Information	vascular endothelial growth factor receptor 1; fms-like tyrosine kinase 1; tyrosine-protein kinase FRT; tyrosine-protein kinase receptor FLT; vascular permeability factor receptor; fms-related tyrosine kinase 1 (vascular endothelial growth factor/vascular permeability factor receptor)
UniProt Protein Name	Vascular endothelial growth factor receptor 1
UniProt Gene Name	FLT1
UniProt Synonym Gene Names	FLT; FRT; VEGFR1; VEGFR-1; FLT-1; FLT
UniProt Entry Name	VGFR1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.