

Bovine Soluble Fms-like tyrosine kinase Receptor 1 ELISA Kit | sFLt-1 elisa kit

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CATALOG #
AAA92231

REACTIVITY
Bovine

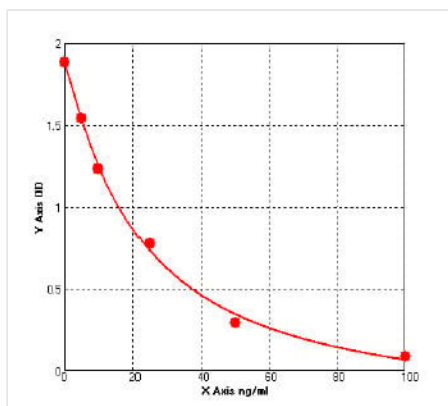
PRODUCT SYNONYMS

Soluble Fms-like tyrosine kinase Receptor 1; Bovine Soluble Fms-like tyrosine kinase Receptor 1 ELISA Kit; sFLt-1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Bovine
Specificity	This assay has high sensitivity and excellent specificity for detection of sFLt-1. No significant cross-reactivity or interference between sFLt-1 and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between sFLt-1 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	1.0 ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for sFLt-1 elisa kit	Intended Uses: This sFLt-1 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Bovine sFLt-1. This ELISA kit for research use only, not for therapeutic or test applications! Principle of the Assay: sFLt-1 ELISA kit applies the competitive enzyme immunoassay technique utilizing an anti-sFLt-1 antibody and an sFLt-1-HRP conjugate. The assay sample and buffer are incubated together with sFLt-1-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 sFLt-1 concentration since sFLt-1 from samples and sFLt-1-HRP conjugate compete for the anti-sFLt-1 antibody binding site. Since the number of sites is limited, as more sites are occupied by sFLt-1 from the sample, fewer sites are left to bind sFLt-1-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The sFLt-1 concentration in each sample is interpolated from this standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	2809071
NCBI GeneID	14254
Molecular Weight	149,876 Da
NCBI Official Full Name	sFLt-1
NCBI Official Synonym Full Names	FMS-like tyrosine kinase 1
NCBI Official Symbol	Flt1
NCBI Official Synonym Symbols	Flt-1; sFLt1; VEGFR1; VEGFR-1; AI323757
NCBI Protein Information	vascular endothelial growth factor receptor 1; embryonic receptor kinase 2; tyrosine-protein kinase receptor FLT; vascular permeability factor receptor; vascular endothelial growth factor receptor-1
UniProt Protein Name	Vascular endothelial growth factor receptor 1
UniProt Gene Name	Flt1
UniProt Synonym Gene Names	Emrk2; Flt; Vegfr1; VEGFR-1; FLT-1
UniProt Entry Name	VGFR1_MOUSE

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.