

Rat Vascular Endothelial Cell Growth Factor C (VEGF-C) ELISA Kit | VEGF-C elisa kit

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CATALOG #
AAA330144

REACTIVITY
Rat

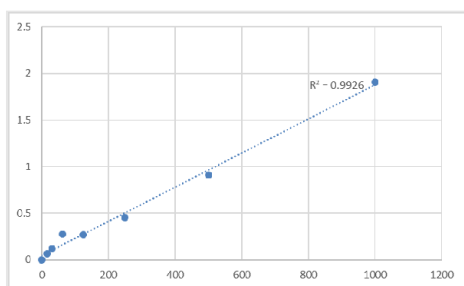
PRODUCT SYNONYMS

Vascular Endothelial Cell Growth Factor C (VEGF-C); Rat Vascular Endothelial Cell Growth Factor C (VEGF-C) ELISA Kit; VEGFC; Flt4-L; VRP; FLT4 ligand DHM; vascular endothelial growth factor-related protein; VEGF-C elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	Rat Vascular Endothelial cell Growth Factor C (VEGF-C) ELISA Kit has high sensitivity and excellent specificity for detection of Rat VEGFC. No significant cross-reactivity or interference between Rat VEGFC and analogues was observed.
Sequence Length	415
Assay Type	Sandwich ELISA (Quantitative)
Samples	Cell Culture Supernatants, Serum, Plasma, Other Biological Fluids
Detection Method	Colorimetric
Usage Notes	* Do not mix components from different kit lots or use reagents beyond the kit expiration date. * Allow all reagents to warm to room temperature for at least 30 minutes before opening. * Pre-rinse the pipet tip with reagent, use fresh pipet tips for each sample, standard and reagent to avoid contamination. * Unused wells must be kept desiccated at 4 degree C in the sealed bag provided. * Mix Thoroughly is very important for the result. It is recommended using low frequency oscillator or slight hand shaking every 10 minutes. * It is recommended that all samples and standards be assayed in duplicate or triplicate.
Preparation and Storage	Store at 2-8 degree C.

IMAGES



Standard Curve (Sample)

Fig.1. Rat Vascular Endothelial cell Growth Factor C (VEGF-C) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for VEGF-C elisa kit	Description: This Rat Vascular Endothelial cell Growth Factor C (VEGF-C) ELISA Kit employs a two-site sandwich ELISA to quantitate VEGFC in samples. An antibody specific for VEGFC has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any VEGFC present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for VEGFC is added to the wells. After washing, Streptavidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of VEGFC bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: Vascular endothelial growth factor receptor-1 was originally discovered through the screening of a human placental cDNA library. It is a receptor tyrosine kinase (RTK) specific for the angiogenic factors VEGF (VEGF-A), PlGF, and VEGF-B. VEGF R1 is expressed in two forms via alternate splicing at the pre-mRNA level: a full-length, membrane bound receptor capable of transducing signal, and a truncated, soluble receptor (sVEGF R1) capable of sequestering ligand or dimerizing with full-length receptor and preventing signal transduction. Although VEGF R1 null mutations are lethal, deletions of the kinase domain are not, suggesting that the soluble form, or at least the extracellular domain, is all that is necessary for normal vascular development.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	16758992
NCBI GeneID	114111
NCBI Accession #	NP_446105.1
NCBI GenBank Nucleotide #	NP_446105.1
UniProt Accession #	O35757
NCBI Official Full Name	vascular endothelial growth factor C
NCBI Official Synonym Full Names	vascular endothelial growth factor C
NCBI Official Symbol	Vegfc
NCBI Protein Information	vascular endothelial growth factor C
UniProt Protein Name	Vascular endothelial growth factor C
UniProt Gene Name	Vegfc
UniProt Synonym Gene Names	VEGF-C; Flt4-L; VRP
UniProt Entry Name	VEGFC_RAT

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.