

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

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CATALOG #
AAA330284

REACTIVITY
Human

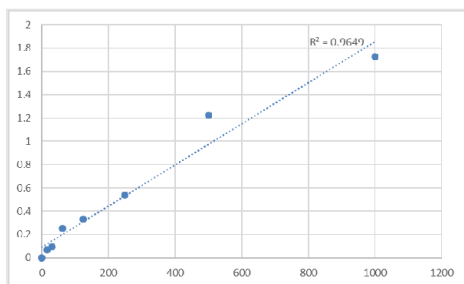
PRODUCT SYNONYMS

Vascular Endothelial Cell Growth Factor C (VEGF-C); Human 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	Human
Specificity	Human Vascular Endothelial cell Growth Factor C (VEGF-C) ELISA Kit has high sensitivity and excellent specificity for detection of Human VEGFC. No significant cross-reactivity or interference between Human VEGFC and analogues was observed.
Sequence Length	419
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. Human Vascular Endothelial cell Growth Factor C (VEGF-C) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for VEGF-C elisa kit	Description: This Human 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: VEGF-C has been shown to exhibit angiogenic and lymphangiogenic actions. The VEGF family of growth factors and receptors is involved in the development and growth of the vascular endothelial system. Two of its family members, VEGF-C and VEGF-D, regulate the lymphatic endothelial cells via their receptor VEGFR, thus acting as mitogens for these cells. VEGF-C expression is associated with hematological malignancies. Like VEGF it acts as survival factor on leukemia. Together with the expression of their receptors, VEGF and VEGF-C result in the generation of autocrine loops that may support cancer cell survival and proliferation. Further VEGF-C expression has been shown in gastrointestinal tract malignancies where it correlates with lymphatic invasion, lymphnode metastasis and reduced survival.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4885653
NCBI GeneID	7424
NCBI Accession #	NP_005420.1
NCBI GenBank Nucleotide #	NP_005420.1
UniProt Accession #	P49767
NCBI Official Full Name	vascular endothelial growth factor C preproprotein
NCBI Official Synonym Full Names	vascular endothelial growth factor C
NCBI Official Symbol	VEGFC
NCBI Official Synonym Symbols	VRP; Flt4-L; LMPH1D; LMPHM4
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_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.