

Mouse Vascular Endothelial Growth Factor C ELISA Kit | VEGF.C elisa kit

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CATALOG # AAA82181	REACTIVITY Mouse
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PRODUCT SYNONYMS

Vascular Endothelial Growth Factor C; Mouse Vascular Endothelial Growth Factor C ELISA Kit; VEGF.C elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	50-1000pg/mL
Sensitivity	1.0pg/mL
Intended Uses	This VEGF.C ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of mouse VEGF.C. This ELISA kit for research use only, not for therapeutic applications!
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for VEGF.C elisa kit	Principle of the Assay: VEGF.C ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-VEGF.C antibody and an VEGF.C-HRP conjugate. The assay sample and buffer are incubated together with VEGF.C-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 VEGF.C concentration since VEGF.C from samples and VEGF.C-HRP conjugate compete for the anti-VEGF.C antibody binding site. Since the number of sites is limited, as more sites are occupied by VEGF.C from the sample, fewer sites are left to bind VEGF.C-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The VEGF.C concentration in each sample is interpolated from this standard curve.
Product Categories/Family for VEGF.C elisa kit	Cancer

NCBI AND UNIPROT INFORMATION

NCBI GI #	4885653
NCBI GeneID	7424

NCBI Accession #	NP_005420.1
NCBI GenBank Nucleotide #	NM_005429.4
Molecular Weight	46,883 Da
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
NCBI Protein Information	vascular endothelial growth factor C; FLT4 ligand DHM; vascular endothelial growth factor-related protein
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.

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Online datasheet: <https://stage.aaabiotech.com/vegf-c-mouse-elisa-kits/vascular-endothelial-growth-factor-c/82181>