

Human Vascular Endothelial Growth Factor 121 (VEGF121) ELISA Kit | VEGF121 elisa kit

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CATALOG #
AAA330286

REACTIVITY
Human

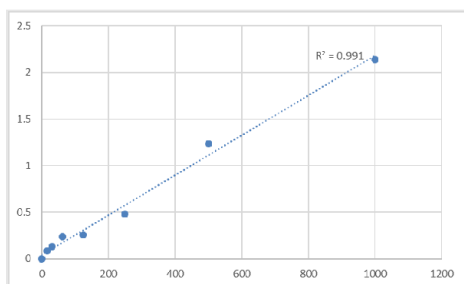
PRODUCT SYNONYMS

Vascular Endothelial Growth Factor 121 (VEGF121); Human Vascular Endothelial Growth Factor 121 (VEGF121) ELISA Kit; VEGF121 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Vascular Endothelial Growth Factor 121 (VEGF121) ELISA Kit has high sensitivity and excellent specificity for detection of Human VEGF121. No significant cross-reactivity or interference between Human VEGF121 and analogues was observed.
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 Growth Factor 121 (VEGF121) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for VEGF121 elisa kit	Description: This Human Vascular Endothelial Growth Factor 121 (VEGF121) ELISA Kit employs a two-site sandwich ELISA to quantitate VEGF121 in samples. An antibody specific for VEGF121 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any VEGF121 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for VEGF121 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 VEGF121 bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: VEGF165 is an angiogenic cytokine that also regulates vascular permeability. The neuropilin-1 (np1) receptor binds the 165 amino-acid form of VEGF165 and functions as an enhancer that potentiates VEGF165 signaling via the VEGFR-2 tyrosine-kinase receptor. A VEGF165 mutant (VEGF165KF) that binds to neuropilins but displays a much lower affinity toward VEGFR-1 and VEGFR-2. VEGF165KF failed to induce VEGFR-2 phosphorylation in cells lacking neuropilins. However, in the presence of np1, VEGF165KF bound weakly to VEGFR-2, induced VEGFR-2 phosphorylation, and activated ERK1/2. Interestingly, VEGF165KF did not promote formation of VEGFR-2/np1 complexes nor did high concentrations of VEGF165KF inhibit VEGF165 induced formation of such complexes, suggesting that VEGF165 does not stabilize VEGFR-2/np1 complexes by forming bridges spanning VEGFR-2 and np1.
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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://www.aaabiotech.com/human-elisa-kits/vascular-endothelial-growth-factor-121-veg121/330286>