

Human VEGF CLIA Kit | VEGF clia kit

VEGF (Human) LumiAb ELISA Kit

 CATALOG #
AAA318565

 REACTIVITY
Human

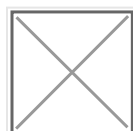
PRODUCT SYNONYMS

VEGF; VEGF (Human) LumiAb ELISA Kit; Human VEGF; Vascular endothelial growth factor A/B; Vascular permeability factor; VPF; VEGF clia kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	The LumiAb Human TWEAK ELISA is capable of recognizing both recombinant and naturally produced Human TWEAK proteins. The antigens listed below were tested at 50 ng/ml and did not exhibit significant cross reactivity or interference.
Sequence Length	171
Assay Type	Quantitative Sandwich
Sensitivity	8 pg/ml.
Preparation and Storage	Store at 4 degree C for 6 months.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for VEGF clia kit	Principle of the Assay: The LumiAb Human TWEAK Chemiluminescent ELISA Kit contains the components necessary for quantitative determination of natural or recombinant Human TWEAK concentrations within any experimental sample including cell lysates, serum and plasma. This particular immunoassay utilizes the quantitative technique of a "Sandwich" Enzyme-Linked Immunosorbent Assay (ELISA) where the target protein (antigen) is bound in a "sandwich" format by the primary capture antibodies coated to each well-bottom and the secondary detection antibodies added subsequently by the investigator. The capture antibodies coated to the bottom of each well are specific for a particular epitope on Human TWEAK while the user-added detection antibodies bind to epitopes on the captured target protein. Amid each step of the procedure, a series of wash steps must be performed to ensure the elimination of non-specific binding between proteins to other proteins or to the solid phase. After incubation and "sandwiching" of the target antigen, a peroxidase enzyme is conjugated to the constant heavy chain of the secondary antibody (either covalently or via Avidin/Streptavidin-Biotin interactions), allowing for a sensitive luminescent reaction to ensue upon substrate addition. When the Peroxide Enhancer solution is added, the reaction catalyzed by peroxidase yields light that is representative of the antigen concentration. After a brief incubation, the microplate can be read with a luminometer, allowing for generation of a standard curve and subsequent determination of protein concentration!!Background/Introduction: Human TWEAK or TNF-Related Weak Inducer of Apoptosis, also known as the APO3 Ligand, is a 249 amino acid cytokine protein that belongs to the tumor necrosis factor ligand superfamily. Encoded from the TNFSF12 gene located at locus 17p13 on chromosome 17, TWEAK is a ligand for the FN14/TWEAK receptor and has overlapping signaling functions with TNF, but displays a much wider tissue distribution. It is highly expressed in adult heart, pancreas, skeletal muscle, brain, colon, small intestine, lung, ovary, prostate, spleen, lymph node, appendix and peripheral blood lymphocytes while expressed less in kidney, testis, liver, placenta, thymus and bone marrow. This cytokine, typically a homotrimer, which exists in both membrane-bound and secreted forms, can induce apoptosis via multiple pathways of cell death in a cell type-specific manner. TWEAK has also been found to promote proliferation and migration of endothelial cells, and thus acts as a regulator of angiogenesis via interaction with AGGF1/VG5Q.
Product Categories/Family for VEGF clia kit	Luminometer Sandwich ELISA

NCBI AND UNIPROT INFORMATION

NCBI GI #	324120930
NCBI GeneID	7422
NCBI Accession #	NP_001191313.1
NCBI GenBank Nucleotide #	NM_001204384.1
UniProt Accession #	P15692; P49765
NCBI Official Full Name	vascular endothelial growth factor A isoform q
NCBI Official Synonym Full Names	vascular endothelial growth factor A
NCBI Official Symbol	VEGFA
NCBI Official Synonym Symbols	VPF; VEGF; MVCD1
NCBI Protein Information	vascular endothelial growth factor A
UniProt Protein Name	Vascular endothelial growth factor A
UniProt Gene Name	VEGFA
UniProt Synonym Gene Names	VEGF; VEGF-A; VPF
UniProt Entry Name	VEGFA_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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://stage.aaabiotech.com/human-clia-kits/vegfa/318565>