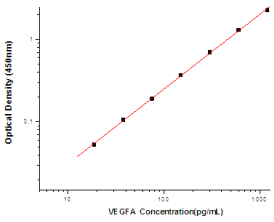
VEGFA ELISA Pair

PRODUCT OVERVIEW

Product Name	VEGFA, ELISA Pair
Full Product Name	VEGFA Matched ELISA Antibody Pair Set, Human
Product Gene Name	VEGFA elisa pair
Product Synonym Names	Human VEGF165/VEGFA ELISA Pair Set; vascular endothelial growth factor A; MVCD1 Matched ELISA Antibody Pair Set, Human; VEGF Matched ELISA Antibody Pair Set, Human; VEGF165 Matched ELISA Antibody Pair Set, Human; VPF Matched ELISA Antibody Pair Set, Human
Assay Type	Solid Phase Sandwich ELISA
Detection Range	18.75-1200pg/mL
Sensitivity	18.75pg/ml
Specificity	Quantitative determination of Human VEGFA
Preparation and Storage	Capture Antibody: Aliquot and store at -20 degree C to -80 degree C for up to 6 months from date of receipt. Avoid repeated freeze-thaw cycles. Detection Antibody: Store at 4 degree C and protect it from prolonged exposure to light for up to 6 months from date of receipt. DO NOT FREEZE! Standard: Store lyophilized standard at -20 degree C to -80 degree C for up to 6 months from date of receipt. Aliquot and store the reconstituted Standard at -80 degree C for up to 1 month. Avoid repeated freeze-thaw cycles.
Materials Provided	1. Capture Antibody 1 mg/mL of rabbit anti-Human VEGF165/VEGFA monoclonal antibody (in PBS, pH 7.4). Dilute to a working concentration of 0.15ug/mL in PBS before coating. 2. Detection Antibody 0.2 mg/mL of mouse anti-Human VEGF165/VEGFA monoclonal antibody conjugated to horseradish-peroxidase (HRP) (in PBS, 50 % HRP-Protector, pH 7.4, store at 4 degree C). Dilute to working concentration of 0.25ug/mL in detection antibody dilution buffer before use. 3. Standard Each vial contains 100 ng of recombinant Human VEGF165/VEGFA. Reconstitute with 1 mL detection antibody dilution buffer. After reconstitution, store at -20 degree C to -80 degree C in a manual defrost freezer. A seven-point standard curve using 2-fold serial dilutions in sample dilution buffer, and a high standard of 1200 pg/mL is recommended.
Product Categories/Family for VEGFA elisa pair	Cancer Drug Targets; VEGF Signaling Pathway
Related Product Information for VEGFA elisa pair	Vascular endothelial growth factor (VEGF), also known as vascular permeability factor (VPF) and VEGF-A, is a potent mediator of both angiogenesis and vasculogenesis in the fetus and adult. It is a member of the platelet-derived growth factor (PDGF)/vascular endothelial growth factor (VEGF) family and often exists as a disulfide-linked homodimer. VEGF-A protein is a glycosylated mitogen that specifically acts on endothelial cells and has various effects, including mediating increased vascular permeability, inducing angiogenesis, vasculogenesis and endothelial cell growth, promoting cell migration, inhibiting apoptosis and tumor growth. VEGF-A protein is also a vasodilator that increases microvascular permeability, thus it was originally referred to as vascular permeability factor. This VEGFA Matched ELISA Antibody Pair Set, Human is a solid phase sandwich ELISA for quantitative determination of Human VEGFA. It contains Human VEGFA capture antibody, Human VEGFA detector antibody (HRP) and a highly purified recombinant Human VEGFA protein.

Product References and Citations for VEGFA elisa pair	Woolard J. et al. (2004) VEGF165b, an inhibitory vascular endothelial growth factor splice variant: mechanism of action, in vivo effect on angiogenesis and endogenous protein expression. Cancer Res. 64(21): 7822-7835. Jia SF, et al. (2008) VEGF165 is necessary to the metastatic potential of Fas(-) osteosarcoma cells but will not rescue the Fas(+) cells. J Exp Ther Oncol. 7(2): 89-97. Cimpean AM, et al. (2008) Vascular endothelial growth factor A (VEGF A) as individual prognostic factor in invasive breast carcinoma. Rom J Morphol Embryol. 49(3): 303-8. Hamdollah Zadeh MA, et al. (2008) VEGF-mediated elevated intracellular calcium and angiogenesis in human microvascular endothelial cells in vitro are inhibited by dominant negative TRPC6. Microcirculation. 15(7): 605-14. Eisenach PA, et al. (2010) MT1-MMP regulates VEGF-A expression through a complex with VEGFR-2 and Src. J Cell Sci. 123(Pt 23):4182-4193. Claesson-Welsh L (2010) Gremlin: vexing VEGF receptor agonist. Blood. 116(18):3386-7.
Other Notes	Small volumes of VEGFA elisa pair vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for VEGFA purchase	MBS8118345 is an ELISA pair targeting VEGFA. Also known as VEGFA Matched ELISA Antibody Pair Set, Human.



Concentration (pg/mL)	Zero standard subtracted OD
0	0
18.75	0.053
37.5	0.106
75	0.191
150	0.370
300	0.701
600	1.302
1200	2.270

Testing Data of VEGFA elisa pair

For Research Use Only. Not for use in diagnostic or therapeutic procedures.

MyBioSource | Tel: +1.858.633.0165 | Fax: +1.858.633.0166 | mybiosource.com/contact-us
Online datasheet: https://www.mybiosource.com/elisa-pair/vegfa/8118345