

## Rat Vascular endothelial growth factor A ELISA Kit | Vegfa elisa kit

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CATALOG #  
**AAA192511**

REACTIVITY  
**Rat**

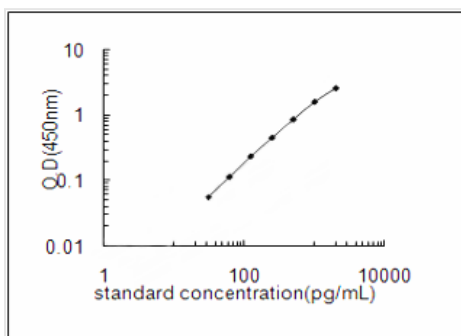
### PRODUCT SYNONYMS

Vascular endothelial growth factor A; Rat Vascular endothelial growth factor A ELISA Kit; VEGF-A; Vascular permeability factor; VPF; Vegfa; Vegf; Vegfa elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                         |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------|
| Reactivity              | Rat                                                                                                                     |
| Specificity             | This assay recognizes recombinant and natural rat VEGF-A. No significant cross-reactivity or interference was observed. |
| Sequence Length         | 325                                                                                                                     |
| Assay Type              | Sandwich                                                                                                                |
| Detection Range         | 31.2-2000 pg/mL                                                                                                         |
| Sensitivity             | 15.84 pg/mL                                                                                                             |
| Intra-Assay CV          | <=5.2%                                                                                                                  |
| Inter-Assay CV          | <=9.6%                                                                                                                  |
| Recovery                | 111%                                                                                                                    |
| Preparation and Storage | For long term storage, please store the entire kit at -20 degree C.                                                     |

### IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

|                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|-------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for Vegfa elisa kit | <p>Intended Uses: This immunoassay kit allows for the in vitro quantitative determination of rat vascular endothelial growth factor a,VEGF-A concentrations in serum, Plasma, tissue homogenates and Cell culture supernates and Other biological fluids.</p> <p>Principle of the Assay  The microtiter plate provided in this kit has been pre-coated with an antibody specific to VEGF-A. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific for VEGF-A and Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. Then a TMB substrate solution is added to each well. Only those wells that contain VEGF-A, biotin- conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of a sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450 nm +/- 2 nm. The concentration of VEGF-A in the samples is then determined by comparing the O.D. of the samples to the standard curve.</p> |
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NCBI AND UNIPROT INFORMATION

|                                  |                                                |
|----------------------------------|------------------------------------------------|
| NCBI GI #                        | 160358797                                      |
| NCBI GeneID                      | 83785                                          |
| NCBI Accession #                 | NP_001103804.1                                 |
| NCBI GenBank Nucleotide #        | NM_001110334.2                                 |
| UniProt Accession #              | P16612; Q541S6; Q91ZE1; Q9JKX7; Q9QXG6; Q9QXG7 |
| Molecular Weight                 | 17,189 Da                                      |
| NCBI Official Full Name          | vascular endothelial growth factor A isoform 3 |
| NCBI Official Synonym Full Names | vascular endothelial growth factor A           |
| NCBI Official Symbol             | Vegfa                                          |
| NCBI Official Synonym Symbols    | VPF; Vegf; VEGF-A; VEGF164                     |
| 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_RAT                                      |

**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/vegfa-rat-elisa-kits/vascular-endothelial-growth-factor-a/192511>