

## Monkey Vascular Endothelial cell Growth Factor B ELISA Kit | VEGF-B elisa kit

Monkey Vascular Endothelial cell Growth Factor B ELISA Kit

CATALOG #  
**AAA91123**

REACTIVITY  
**Monkey**

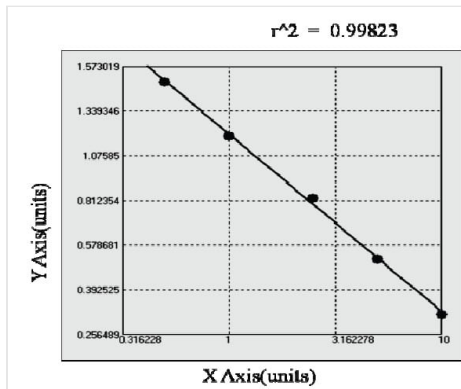
### PRODUCT SYNONYMS

Vascular Endothelial cell Growth Factor B; Monkey Vascular Endothelial cell Growth Factor B ELISA Kit; VEGF-B elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                             |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity              | Monkey                                                                                                                                                                                      |
| Samples                 | Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate                                                                                                                  |
| Assay Type              | Sandwich                                                                                                                                                                                    |
| Detection Range         | 1.0-25ng/mL                                                                                                                                                                                 |
| Sensitivity             | 0.1ng/mL                                                                                                                                                                                    |
| Intended Uses           | This VEGF-B ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Monkey VEGF-B. 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-B elisa kit

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

## NCBI AND UNIPROT INFORMATION

|                                  |                                                           |
|----------------------------------|-----------------------------------------------------------|
| NCBI GI #                        | 4507887                                                   |
| NCBI GeneID                      | 7423                                                      |
| NCBI Accession #                 | NP_003368.1                                               |
| NCBI GenBank Nucleotide #        | NM_003377.4                                               |
| Molecular Weight                 | 21,261 Da                                                 |
| NCBI Official Full Name          | vascular endothelial growth factor B isoform VEGFB-186    |
| NCBI Official Synonym Full Names | vascular endothelial growth factor B                      |
| NCBI Official Symbol             | VEGFB                                                     |
| NCBI Official Synonym Symbols    | VRF; VEGFL                                                |
| NCBI Protein Information         | vascular endothelial growth factor B; VEGF-related factor |
| UniProt Protein Name             | Vascular endothelial growth factor B                      |
| UniProt Gene Name                | <b>VEGFB</b>                                              |
| UniProt Synonym Gene Names       | VRF; VEGF-B; VRF                                          |
| UniProt Entry Name               | VEGFB_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/vegfb-monkey-elisa-kits/vascular-endothelial-cell-growth-factor-b/91123>