

Human VEGFA BIOLISA Kit

Catalog No. 650.040.096 **Quantity:** 1 x 96 tests
 650.040.192 2 x 96 tests

Application The VEGFA BioLISA is an enzyme-linked immunosorbent assay for quantitative detection of active human Vascular Endothelial Growth Factor A in cell culture supernatants, human serum, plasma, or other body fluids.

Principle

- Recombinant VEGF-receptor 1 is adsorbed onto microwells.
- Active VEGFA present in the sample or standard binds to the receptors adsorbed to the microwells; a biotin-conjugated monoclonal VEGFA antibody is added and binds to VEGFA captured by the receptors.
- Following incubation, unbound biotin-conjugated VEGFA is removed during a wash step. Streptavidin-HRP is added and binds to the biotin-conjugated VEGFA. Following incubation, unbound Streptavidin-HRP is removed during a wash step, and substrate solution reactive with HRP is added to the wells.
- A colored product is formed in proportion to the amount of VEGFA present in the sample. The reaction is terminated by addition of acid and absorbance is measured at 450 nm. A standard curve is prepared from seven VEGFA standard dilutions and VEGFA sample concentration determined.

Specificity Active human VEGFA

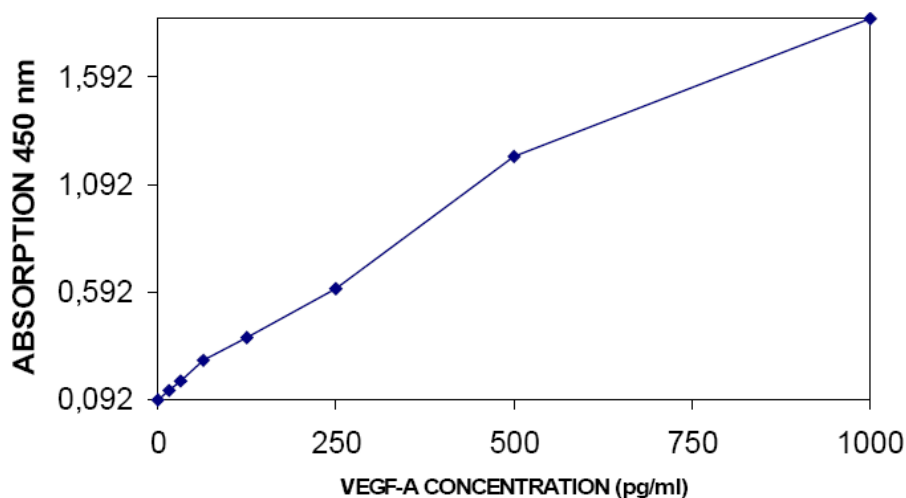
Range 16 pg/ml – 1000 pg/ml

Sensitivity < 11 pg/ml

Incubation Time 205 minutes

Sample Size 25 µl

Typical Data



- Kit Content**
- 12 strip plate pre-coated with recombinant receptor
 - Biotinylated secondary antibody
 - Standards
 - Buffers
 - Streptavidin-HRP
 - Substrate solution
 - Stop solution
- Storage and Stability**
- Store kit reagents between 2° and 4°C. Immediately after use remaining reagents should be returned to cold storage (2° to 4°C). Expiration of the kit and reagents is stated on box front labels.
 - The expiration of the kit components can only be guaranteed if the components are stored properly, and if, in case of repeated use of one component, the reagent is not contaminated by the first handling.

NOT FOR HUMAN USE. FOR RESEARCH USE ONLY. NOT FOR DIAGNOSTIC OR THERAPEUTIC USE.

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