

## Rat Vascular endothelial growth factor ELISA Kit (2 plates)

**Catalogue No.:** BEK-2109-2P

**Description:** The rat Vascular endothelial growth factor (VEGF) Kit is a sandwich ELISA. The capture antibody is a monoclonal rat VEGF antibody pre-coated onto the 96-well strip plates provided in the kit. Rat test samples and standards of known VEGF concentration are added to these wells and allowed to complex with the bound VEGF antibody. A biotinylated rat VEGF polyclonal antibody is then added. This detection antibody binds to the antigen thus completing the sandwich. After washing, an enzyme Avidin-Biotin-Peroxidase complex (ABC) is added which binds to the second antibody. The peroxidase substrate TMB is added to induce a coloured reaction product. The intensity of this coloured product is directly proportional to the concentration of VEGF present in the samples. The purpose of this kit is the in-vitro quantitative determination of rat VEGF in samples such as sera, plasma, tissue lysates and cell culture supernates. This kit has been configured for research use only and is not to be used in diagnostic or clinical procedures.

**Antigen:** The recombinant immunogen and standard used in this ELISA was manufactured in a mouse myeloma (NSO) expression system, and consisted of amino acids 27-190 rat VEGF-A.

**Other Names:** VEGF-A; Vascular permeability factor; VPF; VEGFA; VEGF;

**Accession:** P16612 VEGFA\_RAT;

**Specificity:** Rat VEGF

**Storage:** Store at 4°C

**Kit components:** The ELISA kit box contains 2 x 96 pre-coated strip plates, protein standards, detection reagents, substrate buffer and precise instructions.

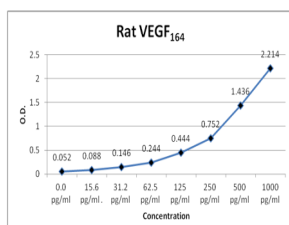
**Range:** 15.6 pg/ml - 1,000 pg/ml

**Sensitivity:** < 1 pg/ml

**Kit protocol:** Please refer to our online product listing for current protocol/MSDS versions.

Concentration pg/ml	0.0 pg/ml	15.6 pg/ml	31.2 pg/ml	62.5 pg/ml	125 pg/ml	250 pg/ml	500 pg/ml	1000 pg/ml
O.D.	0.052	0.088	0.146	0.244	0.444	0.752	1.436	2.214

This standard curve is for demonstration purposes only. A standard curve should be generated for each assay.



FOR RESEARCH USE ONLY