

Rat VGF Nerve Growth Factor Inducible (VGF) ELISA Kit | VGF elisa kit

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CATALOG #
AAA63749

REACTIVITY
Rat

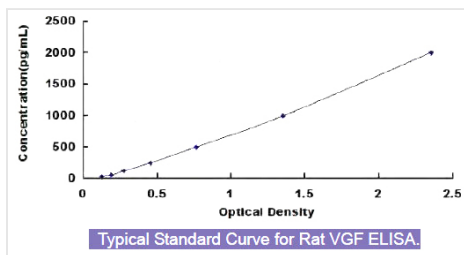
PRODUCT SYNONYMS

VGF Nerve Growth Factor Inducible (VGF); Rat VGF Nerve Growth Factor Inducible (VGF) ELISA Kit; NERP1; NERP2; Neuro-Endocrine Specific Protein VGF; Neuroendocrine Regulatory Peptide; VGF elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of VEGFB. No significant cross-reactivity or interference between VEGFB and analogues was observed.
Sequence Length	617
Samples	Mouse Serum, Plasma, Tissue Homogenates, Cell Lysates, Cell Culture Supernates Or Other Biological Fluids
Assay Type	Quantitative Sandwich
Detection Range	78.1-5000pg/mL
Sensitivity	31pg/mL.
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level VEGFB were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level VEGFB were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	For unopened kit, all reagents should be kept according to the labels on vials. The TMB Substrate, Wash Buffer, Stop Solution should be stored at 4 degree C. All others should be stored at -20 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for VGF elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for the in vitro quantitative measurement of VEGFB in mouse serum, plasma, tissue homogenates, cell lysates, cell culture supernates or other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to VEGFB. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to VEGFB. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain VEGFB, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm +/- 10nm. The concentration of VEGFB in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	13591864
NCBI GeneID	29461
NCBI Accession #	NP_112259.1
NCBI GenBank Nucleotide #	NM_030997.1
UniProt Accession #	P20156
Molecular Weight	68,179 Da
NCBI Official Full Name	neurosecretory protein VGF
NCBI Official Synonym Full Names	VGF nerve growth factor inducible
NCBI Official Symbol	Vgf
NCBI Protein Information	neurosecretory protein VGF
UniProt Protein Name	Neurosecretory protein VGF
UniProt Gene Name	Vgf
UniProt Synonym Gene Names	NERP-1; NERP-2

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/rat-elisa-kits/vgf-nerve-growth-factor-inducible-vgf/63749>