

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

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CATALOG #
AAA63331

REACTIVITY
Mouse

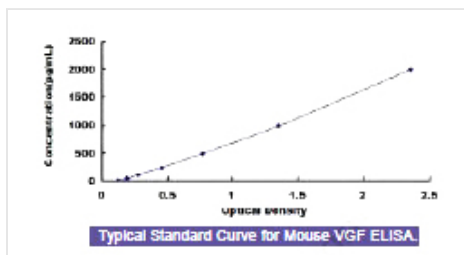
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of VGF. No significant cross-reactivity or interference between VGF and analogues was observed.
Sequence Length	617
Samples	Serum, plasma, tissue homogenates and other biological fluids.
Assay Type	Sandwich
Detection Range	31.25-2000pg/mL
Sensitivity	16.3pg/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level VGF 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 VGF 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 in vitro quantitative measurement of VGF in mouse serum, plasma, tissue homogenates and other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to VGF. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to VGF. 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 VGF, 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 VGF 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 #	86476054
NCBI GeneID	381677
NCBI Accession #	NP_001034474.1
NCBI GenBank Nucleotide #	NM_001039385.1
UniProt Accession #	Q0VGU4
Molecular Weight	68,232 Da
NCBI Official Full Name	neurosecretory protein VGF
NCBI Official Synonym Full Names	VGF nerve growth factor inducible
NCBI Official Symbol	Vgf
NCBI Official Synonym Symbols	Gm1052
NCBI Protein Information	neurosecretory protein VGF
UniProt Protein Name	MCG18019
UniProt Gene Name	Vgf

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/mouse-elisa-kits/vgf-nerve-growth-factor-inducible-vgf/63331>