

# Guinea pig Brain-derived neurotrophic factor (BDNF) ELISA Kit



Catalog No: #EK11135

Orders: [order@signalwayantibody.com](mailto:order@signalwayantibody.com)

Package Size: #EK11135-1 48T #EK11135-2 96T

Support: [tech@signalwayantibody.com](mailto:tech@signalwayantibody.com)

## Description

Product Name	Guinea pig Brain-derived neurotrophic factor (BDNF) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Guinea pig (Cavia)
Other Names	MGC34632; neurotrophin
Accession No.	O70183
Uniprot	O70183
GeneID	100730257;
Storage	<p>The stability of ELISA kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition.</p> <p>The loss rate was determined by accelerated thermal degradation test. Keep the kit at 37C for 4 and 7 days, and compare O.D.values of the kit kept at 37C with that of at recommended temperature. (referring from China Biological Products Standard, which was calculated by the Arrhenius equation. For ELISA kit, 4 days storage at 37C can be considered as 6 months at 2 - 8C, which means 7 days at 37C equaling 12 months at 2 - 8C).</p>

## Application Details

Detect Range:0.156-10 ng/mL

Sensitivity:0.078 ng/mL

Sample Type:Serum, Plasma, Other biological fluids

Sample Volume: 1-200 µL

Assay Time:1-4.5h

Detection wavelength:450 nm

## Product Description

Detection Method:SandwichTest principle:This assay employs a two-site sandwich ELISA to quantitate BDNF in samples. An antibody specific for BDNF has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyBDNF present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for BDNF is added to the wells. After washing, Streptavidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of BDNF bound in the initial step. The color development is stopped and the intensity of the color is measured.

Note: This product is for in vitro research use only