Mouse Cyclic AMP-dependent transcription factor ATF-2 (ATF2) ELISA Kit

Catalog No: #EK11672

Package Size: #EK11672-1 48T #EK11672-2 96T

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

Description

Product Name	Mouse Cyclic AMP-dependent transcription factor ATF-2 (ATF2) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Mouse (Mus musculus)
Other Names	CRE-BP1; CREB2; HB16; MGC111558; TREB7; activating transcription factor 2 splice variant ATF2-var2|cAMP responsive element binding protein 2; formerly
Accession No.	P16951
Uniprot	P16951
GeneID	11909;
Storage	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. 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).

Application Details

Detect Range:31.25-2000 pg/mL

Sensitivity:12.1 pg/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 ATF2 in samples. An antibody specific for ATF2 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyATF2 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for ATF2 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 ATF2 bound in the initial step. The color development is stopped and the intensity of the color is measured.Product Overview:Glial Cell Line-derived Neurotrophic Factor (GDNF) is a highly conserved neurotrophic factor. The recombinant form of this protein was shown to promote the survival and differentiation of dopaminergic neurons in culture, and was able to prevent apoptosis of motor neurons induced by axotomy.The protein is processed to a mature secreted form that exists as a homodimer. The mature form of the protein is a ligand for the product of the RET (rearranged during transfection) protooncogene. In addition to the transcript encoding GDNF, two additional alternative transcripts encoding distinct proteins, referred to as astrocyte-derived trophic factors, have also been described. Mutations in this gene may be associated with Hirschsprung disease.

Note: This product is for in vitro research use only