

Rat Nuclear factor-kappa B (NF- κ B) ELISA Kit

Catalog No: #EK11203



Package Size: #EK11203-1 48T #EK11203-2 96T

Orders: order@signalwayantibody.com

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Description

Product Name	Rat Nuclear factor-kappa B (NF- κ B) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Rat (<i>Rattus norvegicus</i>)
Other Names	DKFZp686C01211; EBP-1; KBF1; MGC54151; NF-kappa-B; NF-kappaB; NFKB-p105; NFKB-p50; p105; p50; DNA binding factor KBF1 NF-kappabeta nuclear factor NF-kappa-B p50 subunit nuclear factor kappa-B DNA bi
Accession No.	Q63369
Uniprot	Q63369
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:0.312-20 ng/mL

Sensitivity:0.114 ng/mL

Sample Type:Serum, Plasma, Other biological fluids

Sample Volume: 1-200 μ L

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 NFKB1 in samples. An antibody specific for NFKB1 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyNFKB1 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for NFKB1 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 NFKB1 bound in the initial step. The color development is stopped and the intensity of the color is measured.**Product Overview:**Nuclear factor NF-kappa-B p105 subunit isa 105 kD protein which can undergo cotranslational processing by the 26S proteasome to produce a 50 kD protein. The 105 kD protein is a Rel protein-specific transcription inhibitor and the 50 kD protein is a DNA binding subunit of the NF-kappaB (NF- κ B) protein complex.

NF- κ B is a transcription factor that is activated by various intra- and extra-cellular stimuli such as cytokines, oxidant-free radicals, ultraviolet irradiation, and bacterial or viral products. Activated NF- κ B translocates into the nucleus and stimulates the expression of genes involved in a wide variety of biological functions; over 200 known genes are targets of NF- κ B in various cell types, under specific conditions.

Note: This product is for in vitro research use only