

# Mouse FBJ murine osteosarcoma viral oncogene homolog B (FOSB) ELISA Kit

Catalog No: #EK11596

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

Package Size: #EK11596-1 48T #EK11596-2 96T

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

## Description

Product Name	Mouse FBJ murine osteosarcoma viral oncogene homolog B (FOSB) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Mouse ( <i>Mus musculus</i> )
Other Names	AP-1; DKFZp686C0818; G0S3; GOS3; GOSB; MGC42291; activator protein 1 oncogene FOS-B
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:0.067 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 FOSB in samples. An antibody specific for FOSB has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyFOSB present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for FOSB 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 FOSB bound in the initial step. The color development is stopped and the intensity of the color is measured.**Product Overview:**Delta FosB is a truncated splice variant of FosB. Delta FosB has been implicated in the development of drug addiction and control of the reward system in the brain, and is linked to changes in a number of other gene products such as CREB and sirtuins.

"Delta FosB" levels have been found to increase upon the use of cocaine. Each subsequent dose of cocaine will continue to increase the levels of Delta FosB with no ceiling of tolerance. Increasing the levels of Delta FosB has led to increases in "Brain-Derived Neurotrophic Factor" (BDNF) levels, which in turn will increase the number of dendritic

Note: This product is for in vitro research use only