Mouse Tumor necrosis factor alpha-induced protein 2 (TNFAIP2) ELISA Kit

Catalog No: #EK6258

Package Size: #EK6258-1 48T #EK6258-2 96T

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Description

Product Name	Mouse Tumor necrosis factor alpha-induced protein 2 (TNFAIP2) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Mouse (Mus musculus)
Other Names	B94;
Accession No.	Q61333
Uniprot	Q61333
GeneID	21928;
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:0.128 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 TNFAIP2 in samples. An antibody specific for TNFAIP2 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyTNFAIP2 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for TNFAIP2 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 TNFAIP2 bound in the initial step. The color development is stopped and the intensity of the color is measured.Product Overview:The TNFAIP2 gene was induced in HUVECs in response to the proinflammatory molecules TNF, IL1B , and lipopolysaccharide. TNFAIP2 demonstrated the characteristics of a primary response gene in its rapid and substantial induction in the absence of intermediary protein synthesis. The authors found that TNFAIP2 transcription was induced during capillary tube formation in vitro. Northern blot analysis detected a 4.2-kb human TNFAIP2 transcript. During mouse development, expression of the Tnfaip2 transcript varied in a temporal fashion that was organ-specific. The TNFAIP2 cDNA encodes a predicted 654-amino acid protein with a single N-linked glycosylation site; stretches of glutamates, lysines, and alanines near the N terminus; and 4 glutamines near the C terminus.

Note: This product is for in vitro research use only