

Mouse Tumor necrosis factor alpha-induced protein 8 (TNFAIP8) ELISA Kit

Catalog No: #EK6254

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Package Size: #EK6254-1 48T #EK6254-2 96T

Description

Product Name	Mouse Tumor necrosis factor alpha-induced protein 8 (TNFAIP8) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Mouse (<i>Mus musculus</i>)
Other Names	GG2-1; MDC-3.13; SCC-S2; SCCS2; TNF-induced protein
Accession No.	Q921Z5
Uniprot	Q921Z5
GeneID	106869;
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:Request Information

Sensitivity:Request Information

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 TNFAIP8 in samples. An antibody specific for TNFAIP8 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyTNFAIP8 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for TNFAIP8 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 TNFAIP8 bound in the initial step. The color development is stopped and the intensity of the color is measured.**Product Overview:**TNFAIP8 was an early response gene, with expression peaking between 1.5 and 3 hours. TNF-alpha , a proapoptotic protein, also induced TNFAIP8 expression. The deduced 188-amino acid protein has a calculated molecular mass of 21 kD. TNFAIP8 contains a death effector domain (DED) that shares significant similarity with DED II of the FLIP family of cell death regulatory proteins. Northern blot analysis detected a 2.0-kb transcript in most adult and fetal human tissues, with high expression in adult spleen, lymph node, thymus, thyroid, bone marrow, and placenta, and in fetal liver, lung, and kidney. TNFAIP8 was also expressed in all cancer cell lines tested.The deduced protein contains 188 amino acids. In situ hybridization showed weak expression in adult human arteries.

Note: This product is for in vitro research use only