Human Tumor necrosis factor receptor-associated factor 6 (TRAF6) ELISA Kit

Catalog No: #EK6017

Package Size: #EK6017-1 48T #EK6017-2 96T

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Description

Product Name	Human Tumor necrosis factor receptor-associated factor 6 (TRAF6) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Human (Homo sapiens)
Other Names	MGC:3310; RNF85;
Accession No.	Q9Y4K3
Uniprot	Q9Y4K3
GeneID	7189;
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:0.156-10 ng/mL

Sensitivity:0.053 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 TRAF6 in samples. An antibody specific for TRAF6 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyTRAF6 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for TRAF6 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 TRAF6 bound in the initial step. The color development is stopped and the intensity of the color is measured.Product Overview:Tumor necrosis factor (TNF) receptor-associated factors, such as TRAF7, are signal transducers for members of the TNF receptor superfamily. Fluorescence microscopy demonstrated TRAF7 localization in a vesicular pattern in the cytosol in the presence or absence of MEKK3. SDS-PAGE analysis suggested that MEKK3 phosphorylates sites in the N-terminal region of TRAF7 and induces ubiquitination. In the presence of E1 (UBE1) and E2 activating and conjugating enzymes, a TRAF7 fragment containing the RING domain was ubiquitinated, indicating that TRAF7 may have E3 ubiquitin ligase activity. Luciferase reporter and RNAi analysis established that coexpression of wildtype TRAF7 and MEKK3 resulted in a synergistic activation of NFKB and AP1.

Note: This product is for in vitro research use only