

# Human TNF receptor-associated factor 3 (TRAF3) ELISA Kit

Catalog No: #EK6019

Package Size: #EK6019-1 48T #EK6019-2 96T

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## Description

Product Name	Human TNF receptor-associated factor 3 (TRAF3) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Human (Homo sapiens)
Other Names	CAP-1; CD40bp; CRAF1; LAP1; CD40 associated protein 1 CD40 binding protein CD40 receptor associated factor 1 LMP1 associated protein
Accession No.	Q13114
Uniprot	Q13114
GeneID	7187;
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:15.6-1000 pg/mL

Sensitivity:6.3 pg/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:**Sandwich**Test principle:**This assay employs a two-site sandwich ELISA to quantitate TRAF3 in samples. An antibody specific for TRAF3 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyTRAF3 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for TRAF3 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 TRAF3 bound in the initial step. The color development is stopped and the intensity of the color is measured.**Product Overview:**TRAF3 is a member of the TNF receptor associated factor (TRAF) protein family. TRAF proteins associate with, and mediate the signal transduction from, members of the TNF receptor (TNFR) superfamily. This protein participates in the signal transduction of CD40, a TNFR family member important for the activation of the immune response. This protein is found to be a critical component of the lymphotoxin-beta receptor (LTbetaR) signaling complex, which induces NF-kappaB activation and cell death initiated by LTbeta ligation. Epstein-Barr virus encoded latent infection membrane protein-1 (LMP1) can interact with this and several other members of the TRAF family, which may be essential for the oncogenic effects of LMP1. Three alternatively spliced transcript variants encoding two distinct isoforms have been reported.

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Note: This product is for in vitro research use only