

# Human Tumor necrosis factor alpha-induced protein 8-like protein 2 (TNFAIP8L2) ELISA Kit

Catalog No: #EK6248

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Package Size: #EK6248-1 48T #EK6248-2 96T

## Description

Product Name	Human Tumor necrosis factor alpha-induced protein 8-like protein 2 (TNFAIP8L2) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Human (Homo sapiens)
Other Names	RP11-68I18.4; FLJ23467; TIPE2; inflammation factor 20
Accession No.	Q6P589
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 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 TNFAIP8L2 in samples. An antibody specific for TNFAIP8L2 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyTNFAIP8L2 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for TNFAIP8L2 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 TNFAIP8L2 bound in the initial step. The color development is stopped and the intensity of the color is measured.**Product Overview:**Sun et al. (2008) cloned mouse Tnfaip8l2, which they called Tipe2, and by database analysis, they identified human TNFAIP8L2. The deduced 184-amino acid human protein shares 94% identity with mouse Tnfaip8l2, shares 53% identity with human TNFAIP8 , and contains a death effector domain (DED) and 6 putative alpha-helices characteristic of DED-containing proteins. Northern blot analysis detected strong expression in mouse thymus, spleen, lymph node, and small intestine, with weak expression in lung, skin, and colon. Tnfaip8l2 was also expressed in murine lymphoid cells and cell lines, in inflamed mouse spinal cord, and in TNF-alpha-stimulated mouse fibroblasts, suggesting that Tnfaip8l2 is preferentially expressed in lymphoid tissue.

## Published Papers

et al., TIPE2 May Target the Nrf2/HO-1 Pathway to Inhibit M1 Macrophage $\beta$  Related Neutrophilic Inflammation in Asthma. In Front Immunol on 2022 Apr 28 by Bingqing Shi, Yuqiu Hao,et al..PMID:35572500, , (2022)

[PMID:35572500](#)

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Note: This product is for in vitro research use only and is not intended for use in humans or animals.