

[Go to Product page](#)

## Datasheet for ABIN6720118 **TNFSF4 ELISA Kit**

### Overview

Quantity:	1 kit
Target:	TNFSF4
Reactivity:	Human
Method Type:	Sandwich ELISA
Detection Range:	156 pg/mL - 10000 pg/mL
Minimum Detection Limit:	156 pg/mL
Application:	ELISA

### Product Details

Purpose:	Sandwich ELISA for Quantitative Detection of Antigen
Sample Type:	Cell Culture Supernatant, Plasma (EDTA - heparin), Serum
Analytical Method:	Quantitative
Detection Method:	Colorimetric
Characteristics:	<p>Synonyms: CD 134L, CD 252, CD134, CD134 ligand, CD134L, CD252, CD252 antigen, glycoprotein 34 kd, Glycoprotein Gp34, GP34, OX-40L, OX40 antigen ligand, OX40 ligand, OX40L, TAX transcriptionally-activated glycoprotein 1, TNFL4_HUMAN, Tnfsf4, Tumor necrosis factor (ligand) superfamily member 4, Tumor necrosis factor ligand superfamily member 4, TXGP1</p> <p>Background: OX40L is the ligand for CD134 and is expressed on such cells as DC2s enabling amplification of Th2 cell differentiation. OX40L has also been designated CD252. By analysis of an interspecific backcross, the mouse Tnfsf4 gene is mapped to chromosome 1. Using fluorescence in situ hybridization, they localized the human TNFSF4 gene to 1q25, a region</p>

## Product Details

sharing homology of synteny with the portion of mouse chromosome 1 containing the Tnfsf4 gene. OX40L strongly inhibited the generation of IL-10-producing Tr1 cells induced by two physiologic stimuli, the inducible costimulatory ligand and immature dendritic cells. In addition, OX40L strongly inhibited IL-10 production and suppressive function of differentiated IL-10-producing Tr1 cells. Tnfsf4 underlies Ath1 in mice and that polymorphisms in its human homolog TNFSF4 increase the risk of myocardial infarction in humans.

Gene Name: TNFSF4

Production: Natural and recombinant human TNFSF4. There is no detectable cross-reactivity with other relevant proteins.

Standard: Expression system for standard: NSO, Immunogen sequence: Q51-L183

## Target Details

Target:	TNFSF4
Alternative Name:	TNFSF4 - OX40L ( <a href="#">TNFSF4 Products</a> )
Gene ID:	7292
NCBI Accession:	<a href="#">NP_001284491</a>
UniProt:	<a href="#">P23510</a>
Pathways:	<a href="#">Cellular Response to Molecule of Bacterial Origin</a> , <a href="#">Regulation of Leukocyte Mediated Immunity</a> , <a href="#">Positive Regulation of Immune Effector Process</a> , <a href="#">Production of Molecular Mediator of Immune Response</a> , <a href="#">Activated T Cell Proliferation</a> , <a href="#">Cancer Immune Checkpoints</a>

## Application Details

Application Notes:	<p>Application Note: Useful in Sandwich ELISA for Quantitative Detection of Antigen. Aliquot 0.1 mL per well of the 10000pg/mL, 5000pg/mL, 2500pg/mL, 1250pg/mL, 625pg/mL, 313pg/mL, 156pg/mL human TNFSF4 standard solutions into the precoated 96-well plate. Add 0.1 mL of the sample diluent buffer into the control well (Zero well). Add 0.1 mL of each properly diluted sample of human cell culture supernates, serum or plasma (heparin, EDTA) to each empty well. It is recommended that each human TNFSF4 standard solution and each sample be measured in duplicate.</p> <p>Blood Product Anticoagulant: Heparin Sodium</p> <p>ELISA Dilution: 156pg/mL-10000pg/mL</p> <p>Other Performance Data: DOE: 2-8° C - 03/18/19 -20° C - 09/18/19</p>
Sample Volume:	100 µL

## Application Details

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Plate: Pre-coated

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Restrictions: For Research Use only

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## Handling

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Storage: RT, 4 °C, -20 °C

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Storage Comment: Store vials at 4°C prior to opening. Centrifuge product if not completely clear after standing at room temperature. This product is stable for 6 months at 4°C as an undiluted liquid. Dilute only prior to immediate use. For extended storage freeze at -20°C or below for 12 months. Avoid cycles of freezing and thawing.