

Datasheet for ABIN6719787

Soluble Tumor Necrosis Factor Receptor Type 1 (sTNF-R1)

ELISA Kit



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1 Image

Overview

Quantity:	1 kit
Target:	Soluble Tumor Necrosis Factor Receptor Type 1 (sTNF-R1)
Reactivity:	Human
Method Type:	Sandwich ELISA
Detection Range:	7.8 pg/mL - 500 pg/mL
Minimum Detection Limit:	7.8 pg/mL
Application:	ELISA

Product Details

Purpose:	Sandwich ELISA for Quantitative Detection of Antigen
Sample Type:	Cell Culture Supernatant, Plasma (EDTA - heparin - citrate), Serum, Urine
Analytical Method:	Quantitative
Detection Method:	Colorimetric
Characteristics:	<p>Synonyms: CD120a, FPF, p55, p55 R, p60, p65, TBP1, TBPI, TNF R, TNF R I, TNF R55, TNF-R1, TNF-RI, TNFAR, TNFR I, TNFR1, TNFR55, TNFR60, TNFRI, TNFRSF1A, TNFR1A_HUMAN, Tumor necrosis factor alpha receptor, Tumor necrosis factor binding protein 1, Tumor necrosis factor receptor 1, Tumor necrosis factor receptor superfamily member 1A, Tumor necrosis factor receptor superfamily member 1A, membrane form, Tumor necrosis factor receptor type I, Tumor necrosis factor-binding protein 1</p> <p>Background: TNFR1(also known as Soluble tumor necrosis factor receptor 1) is a cytokine receptor that binds tumor necrosis factors(TNF). In contrast, the p60(TNFRSF1A) and</p>

Product Details

p80(TNFRSF1B) TNFA receptors self-assemble through a distinct functional domain in the TNFR extracellular domain, termed the pre-ligand assembly domain(PLAD), in the absence of ligand. Deletion of the PLAD results in monomeric presentation of p60 or p80. Flow cytometric analysis showed that efficient TNFA binding depends on receptor self-assembly. They also found that other members of the TNF receptor superfamily, including the extracellular domains of TRAIL(TNFRSF10A), CD40, and FAS(TNFRSF6), all self-associate but do not interact with heterologous receptors. By Southern blot analysis of human/Chinese hamster somatic cell hybrid DNA, the TNFR1 gene was mapped to 12pter-cen. And by nonradioactive in situ hybridization that the type 1 receptor(the p55 TNF receptor) is encoded by a gene located on chromosome 12p13.2.

Gene Name: TNFRSF1A

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

Standard: Expression system for standard: NSO, Immunogen sequence: L30-T211

Target Details

Target: Soluble Tumor Necrosis Factor Receptor Type 1 (sTNF-R1)

Alternative Name: TNFsR I ([sTNF-R1 Products](#))

Gene ID: 7132

NCBI Accession: [NP_001056](#)

UniProt: [P19438](#)

Application Details

Application Notes: Application Note: Useful in Sandwich ELISA for Quantitative Detection of Antigen. Aliquot 0.1 mL per well of the 500pg/mL, 250pg/mL, 125pg/mL, 62.5pg/mL, 31.3pg/mL, 15.6pg/mL, 7.8pg/mL human TNFsRI 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, plasma(heparin, EDTA, citrate) or urine to each empty well. We recommend that each human TNF s RI standard solution and each sample is measured in duplicate.

Blood Product Anticoagulant: Heparin Sodium

ELISA Dilution: 7.8pg/mL-500pg/mL

Sample Volume: 100 µL

Application Details

Plate: Pre-coated

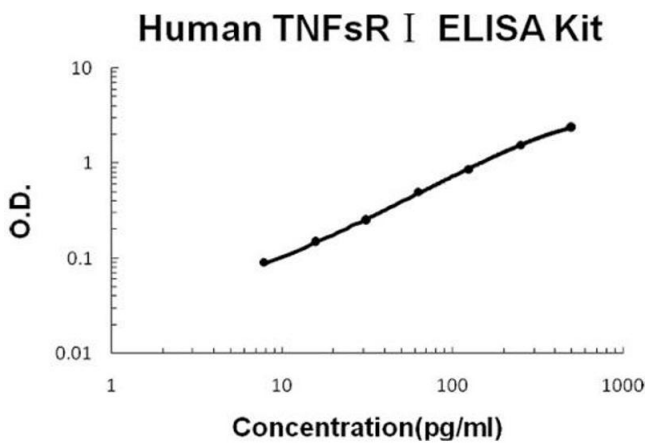
Restrictions: For Research Use only

Handling

Storage: RT, 4 °C, -20 °C

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.

Images



ELISA

Image 1. Human TNFsR I Accusignal ELISA Kit Human TNFsR I AccuSignal ELISA Kit standard curve. Assay Range: 7.8pg/ml-500pg/ml. Sensitivity: <1pg/ml.