

Datasheet for ABIN6719880

**TRAIL ELISA Kit****1** Image[Go to Product page](#)

## Overview

Quantity:	1 kit
Target:	TRAIL (TNFSF10)
Reactivity:	Human
Method Type:	Sandwich ELISA
Detection Range:	15.6 pg/mL - 1000 pg/mL
Minimum Detection Limit:	15.6 pg/mL
Application:	ELISA

## Product Details

Purpose:	Sandwich ELISA for Quantitative Detection of Antigen
Sample Type:	Cell Culture Lysate, Cell Culture Supernatant, Plasma (EDTA - heparin), Saliva, Serum
Analytical Method:	Quantitative
Detection Method:	Colorimetric

Characteristics:	<p>Synonyms: Apo 2 ligand, APO2L, CD253, Protein TRAIL, TL2, TNF related apoptosis inducing ligand, Tumor necrosis factor ligand superfamily member 10</p> <p>Background: In the field of cell biology, TNF-related apoptosis-inducing ligand(TRAIL), is a protein which functions as a ligand which induces the process of cell death called apoptosis. TRAIL has also been designated CD253(cluster of differentiation 253).Tumor necrosis factor(TNF) family cytokines function as prominent mediators of immune regulation and the inflammatory response. Most TNF family cytokines are expressed as type II transmembrane proteins, with homology confined to approximately 150 C-terminal residues. The TNF ligands</p>
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## Product Details

interact with a parallel family of receptors. TRAIL binds to the death receptors DR4(TRAIL-RI) and DR5(TRAIL-RII). The process of apoptosis is caspase-8-dependent. Caspase-8 activates downstream effector caspases including procaspase-3, -6, and -7, leading to activation of specific kinases. TRAIL also binds the receptors DcR1 and DcR2, which do not contain a cytoplasmic domain(DcR1) or contain a truncated death domain(DcR2). The standard product used in this kit is recombinant human TRAIL with the molecular mass of 21KDa. It is expressed from the amino acids ectoderm T95--G28.

Gene Name: TNFSF10

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

Standard: Expression system for standard: NSO, Immunogen sequence: T95-G281

## Target Details

Target:	TRAIL (TNFSF10)
Alternative Name:	TRAIL ( <a href="#">TNFSF10 Products</a> )
Gene ID:	8743
NCBI Accession:	<a href="#">NP_001177871</a>
UniProt:	<a href="#">P50591</a>
Pathways:	<a href="#">Apoptosis</a> , <a href="#">Positive Regulation of Endopeptidase Activity</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 1000pg/mL, 500pg/mL, 250pg/mL, 125pg/mL, 62.5pg/mL, 31.2pg/mL, 15.6pg/mL human TRAIL 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, cell lysates, serum, plasma(heparin, EDTA) or saliva to each empty well. It is recommended that each human TRAIL standard solution and each sample be measured in duplicate.</p> <p>Blood Product Anticoagulant: Heparin Sodium</p> <p>ELISA Dilution: 15.6pg/mL-1000pg/mL</p>
Sample Volume:	100 µL
Plate:	Pre-coated

Application Details

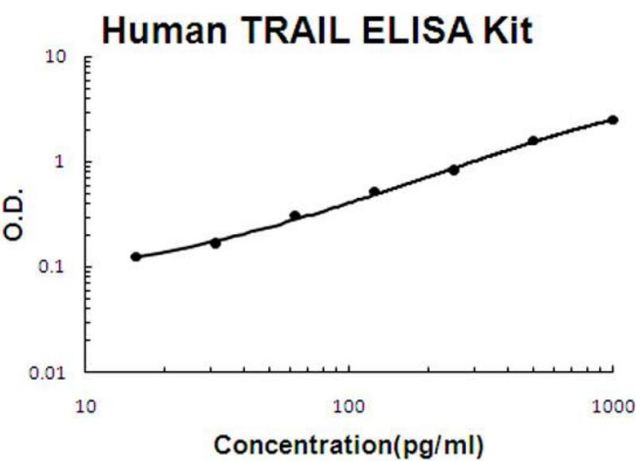
Restrictions: For Research Use only

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 TRAIL Accusignal ELISA Kit Human TRAIL AccuSignal ELISA Kit standard curve. Assay Range: 15.6pg/ml-1000pg/ml. Sensitivity: <1pg/ml.