

Datasheet for ABIN2859291  
**TNFRSF6B ELISA Kit**



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1 Image

## Overview

Quantity:	96 tests
Target:	TNFRSF6B
Binding Specificity:	AA 24-300
Reactivity:	Human
Method Type:	Sandwich ELISA
Detection Range:	156-10000 pg/mL
Minimum Detection Limit:	156 pg/mL
Application:	ELISA

## Product Details

Purpose:	Sandwich High Sensitivity ELISA kit for Quantitative Detection of Human DCR3/TNFRSF6B
Brand:	PicoKine™
Sample Type:	Cell Culture Supernatant, Serum, Plasma (heparin), Plasma (EDTA)
Analytical Method:	Quantitative
Detection Method:	Colorimetric
Immunogen:	Expression system for standard: sf21 Immunogen sequence: V24-H300
Specificity:	Sf21, V24-H300
Cross-Reactivity (Details):	No cross reactivity with other proteins.
Sensitivity:	<10pg/mL

## Product Details

Material not included:	Microplate reader in standard size. Automated plate washer. Adjustable pipettes and pipette tips. Multichannel pipettes are recommended in the condition of large amount of samples in the detection. Clean tubes and Eppendorf tubes. Washing buffer (neutral PBS or TBS). Preparation of 0.01M TBS: Add 1.2g Tris, 8.5g NaCl
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## Target Details

Target:	TNFRSF6B
Alternative Name:	TNFRSF6B ( <a href="#">TNFRSF6B Products</a> )
Background:	<p>Protein Function: Decoy receptor that can neutralize the cytotoxic ligands TNFS14/LIGHT, TNFSF15 and TNFSF6/FASL. Protects against apoptosis. .</p> <p>Background: Decoy receptor 3 (Dcr3), also known as tumor necrosis factor receptor superfamily member 6B (TNFRSF6B), TR6 and M68, is a soluble protein of the tumor necrosis factor receptor superfamily which inhibits Fas ligand-induced apoptosis. This gene belongs to the tumor necrosis factor receptor superfamily. It acts as a decoy receptor that competes with death receptors for ligand binding. The encoded protein is postulated to play a regulatory role in suppressing FasL- and LIGHT-mediated cell death and T cell activation as well as to induce angiogenesis via neutralization of TL1A. Overexpression of this gene has been noted in various tumors e.g. gastrointestinal tract tumors, and it is located in a gene-rich cluster on chromosome 20, with other potentially tumor-related genes.</p> <p>Synonyms: Tumor necrosis factor receptor superfamily member 6B, Decoy receptor 3, Dcr3, Decoy receptor for Fas ligand, M68, TNFRSF6B, DCR3, TR6, UNQ186/PRO212,</p> <p>Full Gene Name: Tumor necrosis factor receptor superfamily member 6B</p> <p>Cellular Localisation: Secreted.</p>
Gene ID:	8771
UniProt:	<a href="#">O95407</a>

## Application Details

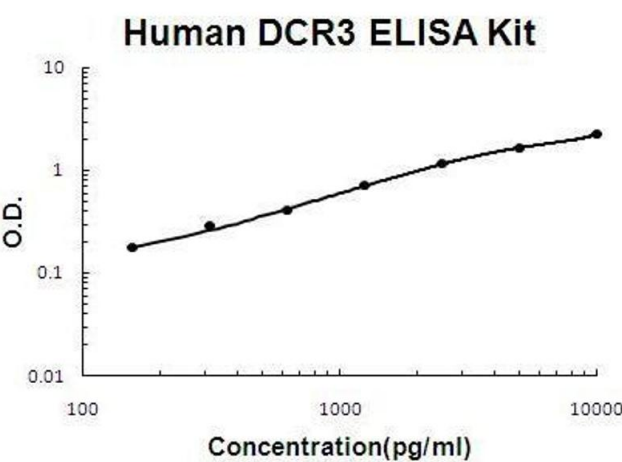
Application Notes:	Before using Kit, spin tubes and bring down all components to bottom of tube. Duplicate well assay was recommended for both standard and sample testing.
Comment:	Tissue Specificity: Detected in fetal lung, brain and liver. Detected in adult stomach, spinal cord, lymph node, trachea, spleen, colon and lung. Highly expressed in several primary tumors from colon, stomach, rectum, esophagus and in SW480 colon carcinoma cells.
Plate:	Pre-coated

# Application Details

Protocol:	human DCR3 ELISA Kit was based on standard sandwich enzyme-linked immune-sorbent assay technology. A monoclonal antibody from mouse specific for DCR3 has been precoated onto 96-well plates. Standards(sf21, V24 - H300) and test samples are added to the wells, a biotinylated detection polyclonal antibody from goat specific for DCR3 is added subsequently and then followed by washing with PBS or TBS buffer. Avidin-Biotin-Peroxidase Complex was added and unbound conjugates were washed away with PBS or TBS buffer. HRP substrate TMB was used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the human DCR3 amount of sample captured in plate.
Assay Procedure:	Aliquot 0.1 mL per well of the 10000pg/mL, 5000pg/mL, 2500pg/mL, 1250pg/mL, 625pg/mL, 312pg/mL, 156pg/mL human DCR3 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. See "Sample Dilution Guideline" above for details. It is recommended that each human DCR3 standard solution and each sample be measured in duplicate.
Assay Precision:	<ul style="list-style-type: none"><li>• Sample 1: n=16, Mean(pg/ml): 1282, Standard deviation: 87.2, CV(%): 6.8</li><li>• Sample 2: n=16, Mean(pg/ml): 2520, Standard deviation: 120.96, CV(%): 4.8</li><li>• Sample 3: n=16, Mean(pg/ml): 5023, Standard deviation: 261.2, CV(%): 5.2,</li><li>• Sample 1: n=24, Mean(pg/ml): 1526, Standard deviation: 116, CV(%): 7.6</li><li>• Sample 2: n=24, Mean(pg/ml): 2768, Standard deviation: 182.7, CV(%): 6.6</li><li>• Sample 3: n=24, Mean(pg/ml): 5281, Standard deviation: 338, CV(%): 6.4</li></ul>
Restrictions:	For Research Use only

## Handling

Handling Advice:	Avoid multiple freeze-thaw cycles.
Storage:	-20 °C,4 °C
Storage Comment:	Store at 4°C for 6 months, at -20°C for 12 months. Avoid multiple freeze-thaw cycles
Expiry Date:	12 months



**ELISA**

**Image 1.** Human DCR3/TNFRSF6B PicoKine ELISA Kit standard curve