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Datasheet for ABIN6719678

TACI ELISA Kit

Overview

Quantity:	1 kit
Target:	TACI (TNFRSF13B)
Reactivity:	Mouse
Method Type:	Sandwich ELISA
Detection Range:	46.9 pg/mL - 3000 pg/mL
Minimum Detection Limit:	46.9 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: Synonyms: CD267, TNFRSF13B, TR13B_HUMAN, Transmembrane activator and CAML interactor, Tumor necrosis factor receptor superfamily member 13B

Background: Tumor necrosis factor receptor superfamily member 13B, also known as TNFRSF13B or more commonly as TACI, is a transmembrane receptor protein found predominantly on the surface of B cells, which are an important part of the immune system. TACI controls T cell-independent B cell antibody responses, isotype switching, and B cell homeostasis. TACI is a lymphocyte-specific member of the tumor necrosis factor(TNF) receptor superfamily. It was originally discovered because of its ability to interact with calcium-

Product Details

modulator and cyclophilin ligand(CAML). TACI was later found to play a crucial role in humoral immunity by interacting with two members of the TNF family: BAFF and APRIL. These proteins signal through TACI inducing activation of several transcription factors including NFAT, AP-1, and NF-kappa-B which then modulate cellular activities. Defects in the function of TACI can lead to immune system diseases.

Gene Name: TNFRSF13B

Production: Natural and recombinant mouse TNFRSF13B. There is no detectable cross-reactivity with other relevant proteins.

Standard: Expression system for standard: NSO, Immunogen sequence: A2-C128

Target Details

Target:	TACI (TNFRSF13B)
Alternative Name:	TNFRSF13B - TACI (TNFRSF13B Products)
Gene ID:	57916
NCBI Accession:	NP_067324
UniProt:	Q9ET35

Application Details

Application Notes:	<p>Application Note: Useful in Sandwich ELISA for Quantitative Detection of Antigen. Aliquot 0.1 mL per well of the 3000pg/mL, 1500pg/mL, 750pg/mL, 419pg/mL, 188pg/mL, 94pg/mL, 46.9pg/mL mouse TNFRSF13B 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 mouse cell culture supernates, serum or plasma(heparin, EDTA) to each empty well. We recommend that each mouse TNFRSF13B standard solution and each sample is measured in duplicate.</p> <p>Blood Product Anticoagulant: Heparin Sodium</p> <p>ELISA Dilution: 46.9pg/mL-3000pg/mL</p>
Sample Volume:	100 µL
Plate:	Pre-coated
Restrictions:	For Research Use only

Handling

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.
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