Datasheet for ABIN5954907

TACI Protein (AA 2-166) (Fc Tag,AVI tag,Biotin)

3 Images

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Overview

Quantity:	200 µg
Target:	TACI (TNFRSF13B)
Protein Characteristics:	AA 2-166
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This TACI protein is labelled with Fc Tag,AVI tag,Biotin.

Product Details

Sequence:	AA 2-166
Specificity:	Biotinylation of this product is performed using Avitag™ technology. Briefly, the single lysine residue in the Avitag is enzymatically labeled with biotin.
Purity:	>90 % as determined by SDS-PAGE.
Endotoxin Level:	Less than 1.0 EU per µg by the LAL method.

Target Details

Target:	TACI (TNFRSF13B)
Alternative Name:	TACI (TNFRSF13B Products)
Background:	Transmembrane activator and CAML interactor (TACI), also known as tumor necrosis factor receptor superfamily member 13B (TNFRSF13B). It was originally discovered because of its ability to interact with calcium-modulator and cyclophilin ligand (CAML). TACI was later found

Target Details

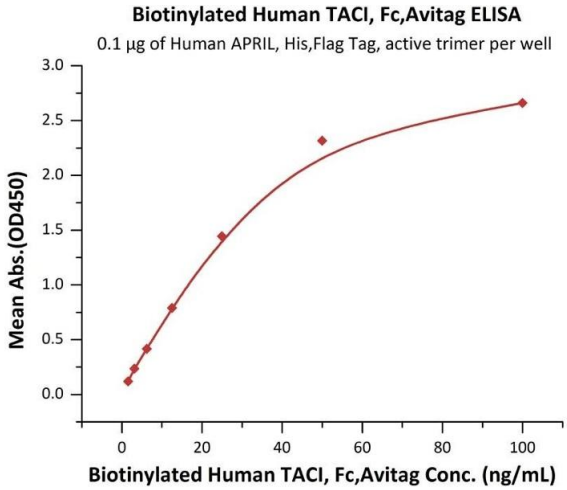
	to play a crucial role in humoral immunity by interacting with two members of the TNF family: BAFF and APRIL. The present study demonstrated that, in NSCLC, a proliferation-inducing ligand (APRIL), B-cell maturation antigen (BCMA)and transmembrane activator and CAML interactor (TACI) proteins are abnormally expressed by immunohistochemistry, reverse transcription-quantitative polymerase chain reaction and western blotting. In addition, the expression of APRIL, BCMA and TACI were observed to be involved in extracellular signal-regulated kinase (ERK)1/2 activation in A549 cells.
Molecular Weight:	46.7 kDa
NCBI Accession:	NP_036584

Application Details

Comment:	Ready-to-use AvitagTM biotinylated protein: The product is exclusively produced using the AvitagTM technology. Briefly, a unique 15 amino acid peptide, the Avi tag, is introduced into the recombinant protein during expression vector construction. The single lysine residue in the Avi tag is enzymatically biotinylated by the E. Coli biotin ligase BirA. This single-point enzymatic labeling technique brings many advantages for commonly used binding assays. The biotinylation happens on the lysine residue of Avi tag, and therefore does NOT interfere with the target protein's natural binding activities. In addition, when immobilized on an avidin-coated surface, the protein orientation is uniform because the position of the Avi tag in the protein is precisely controlled.
Restrictions:	For Research Use only

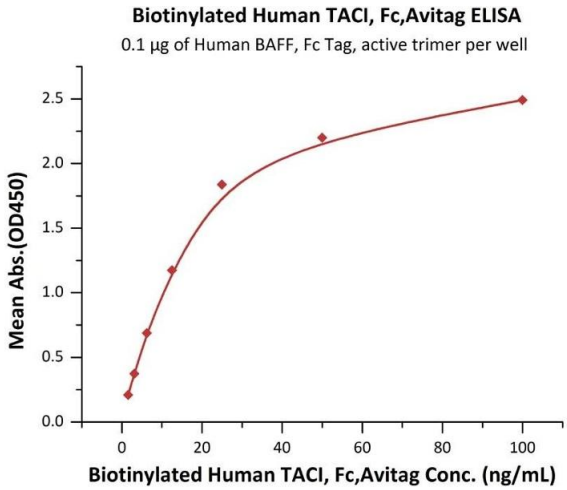
Handling

Format:	Lyophilized
Buffer:	Tris with Glycine, Arginine and NaCl, pH 7.5
Handling Advice:	Please avoid repeated freeze-thaw cycles.
Storage:	-20 °C



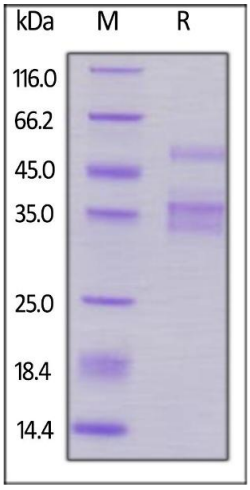
ELISA

Image 1. Immobilized Human APRIL, His,Flag Tag, active trimer (ABIN6972945) at 1 µg/mL (100 µL/well) can bind Biotinylated Human TACI, Fc,Avitag (ABIN5954907,ABIN6253586) with a linear range of 2-25 ng/mL (Routinely tested).



ELISA

Image 2. Immobilized Human BAFF, Fc Tag, active trimer (ABIN6972950) at 1 µg/mL (100 µL/well) can bind Biotinylated Human TACI, Fc,Avitag (ABIN5954907,ABIN6253586) with a linear range of 2-25 ng/mL (QC tested).



SDS-PAGE

Image 3. Biotinylated Human TACI, Fc,Avitag on under reducing (R) condition. The gel was stained overnight with Coomassie Blue. The purity of the protein is greater than 90 % .