

Datasheet for ABIN3137687

**TNFRSF8 Protein (AA 19-379) (His tag,AVI tag,Biotin)**[Go to Product page](#)**3** Images

## Overview

Quantity:	200 µg
Target:	TNFRSF8
Protein Characteristics:	AA 19-379
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This TNFRSF8 protein is labelled with His tag,AVI tag,Biotin.

## Product Details

Sequence:	AA 19-379
Specificity:	Biotinylation of this product is performed using Avitag™ technology. Briefly, the single lysine residue in the Avitag is enzymatically labeled with biotin.
Characteristics:	This protein carries an Avi tag (Avitag™) at the C-terminus, followed by a polyhistidine tag. The protein has a calculated MW of 41.1 kDa. The protein migrates as 60-100 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.
Purity:	>95 % as determined by SDS-PAGE.
Endotoxin Level:	Less than 1.0 EU per µg by the LAL method.

## Target Details

Target:	TNFRSF8
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## Target Details

Alternative Name: CD30 ([TNFRSF8 Products](#))

Background: Human CD30 is also known as TNFRSF8, is a cell membrane protein of the tumor necrosis factor receptor family and tumor marker. TNFRSF-8 is expressed by activated, but not by resting, T and B cells. Also, CD30 is expressed on classical Hodgkin Lymphoma cells together with CD15. CD30 is the receptor for TNFSF8/CD30L. CD30 can interact with TRAF2 and TRAF5, and mediate the signal transduction that leads to the activation of NF-kappa-B. TNFRSF8 may play a role in the regulation of cellular growth and transformation of activated lymphoblasts. TNFRSF8 is a positive regulator of apoptosis, and also has been shown to limit the proliferative potential of autoreactive CD8 effector T cells and protect the body against autoimmunity.

Molecular Weight: 41.1 kDa

NCBI Accession: [NP\\_001234](#)

## Application Details

Comment: Ready-to-use Avitag<sup>TM</sup> biotinylated protein:  
The product is exclusively produced using the Avitag<sup>TM</sup> 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

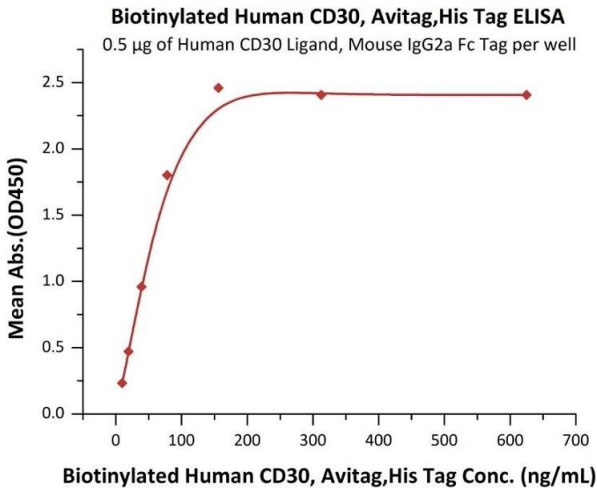
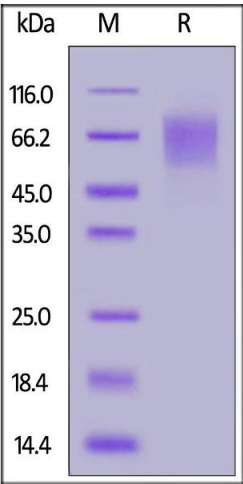
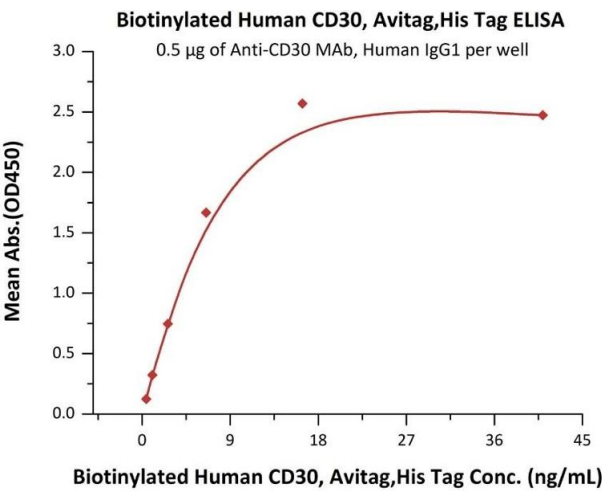
## Handling

Format: Lyophilized

Buffer: PBS, pH 7.4

Handling Advice: Please avoid repeated freeze-thaw cycles.

Storage: -20 °C



**ELISA**

**Image 1.** Immobilized A MAb, Human IgG1 at 5 µg/mL (100 µL/well) can bind Biotinylated Human CD30, Avitag,His Tag (ABIN3137687,ABIN5674026) with a linear range of 0.4-6.5 ng/mL (Routinely tested).

**SDS-PAGE**

**Image 2.** Biotinylated Human CD30, Avitag,His Tag on under reducing (R) condition. The gel was stained overnight with Coomassie Blue. The purity of the protein is greater than 95 % .

**ELISA**

**Image 3.** Immobilized Human CD30 Ligand, Mouse IgG2a Fc Tag, low endotoxin (ABIN5954987,ABIN6253579) at 5 µ g/mL (100 µL/well) can bind Biotinylated Human CD30, Avitag,His Tag (ABIN3137687,ABIN5674026) with a linear range of 10-78 ng/mL (QC tested).