

Datasheet for ABIN6951030

**CD52 Protein (CD52) (AA 25-36) (His tag,AVI tag,Biotin)**[Go to Product page](#)**2** Images

## Overview

Quantity:	200 µg
Target:	CD52
Protein Characteristics:	AA 25-36
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This CD52 protein is labelled with His tag,AVI tag,Biotin.

## Product Details

Sequence:	AA 25-36
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:	CD52
Alternative Name:	CD52 ( <a href="#">CD52 Products</a> )
Background:	CAMPATH-1 antigen, also known as cluster of differentiation 52 (CD52), is a glycoprotein that in

## Target Details

humans is encoded by the CD52 gene. It is widely expressed on the cell surface of immune cells, such as mature lymphocytes, natural killer cells (NK), eosinophils, neutrophils, monocytes/macrophages, and dendritic cells (DCs). ligation of cell surface CD52 Molecules may offer costimulatory signals for T-cell activation and proliferation.

Molecular Weight: 13.5 kDa

NCBI Accession: [NP\\_001794](#)

## Application Details

**Comment:** Ready-to-use Avitag™ biotinylated protein:  
The product is exclusively produced using the Avitag™ 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

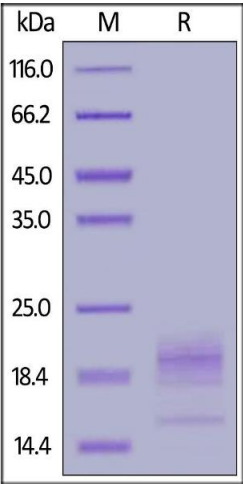
## Handling

Format: Lyophilized

Buffer: PBS, pH 7.4

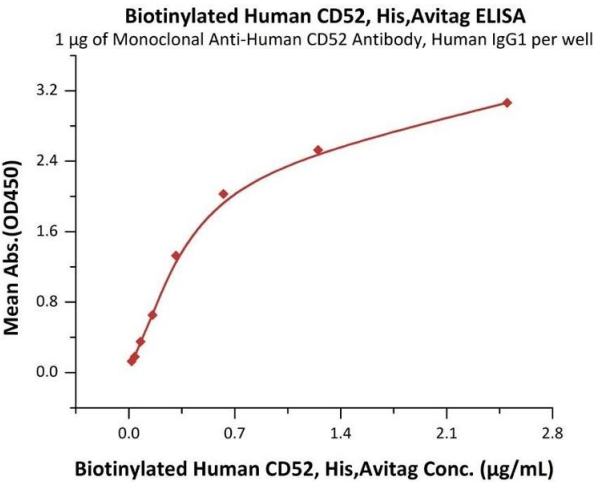
Handling Advice: Please avoid repeated freeze-thaw cycles.

Storage: -20 °C



SDS-PAGE

**Image 1.** Biotinylated Human CD52, His,Avitag on under reducing (R) condition. The gel was stained overnight with Coomassie Blue. The purity of the protein is greater than 90 % .



ELISA

**Image 2.** Immobilized Monoclonal A CD52 Antibody, Human IgG1 at 10 µg/mL (100 µL/well) can bind Biotinylated Human CD52, His,Avitag (ABIN6951030,ABIN6952271) with a linear range of 0.005-0.625 µg/mL (QC tested).