

Datasheet for ABIN6938931

CD24 Protein (AA 27-59) (Fc Tag,AVI tag,Biotin)[Go to Product page](#)**2** Images

Overview

Quantity:	200 µg
Target:	CD24
Protein Characteristics:	AA 27-59
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CD24 protein is labelled with Fc Tag,AVI tag,Biotin.

Product Details

Sequence:	AA 27-59
Specificity:	Biotinylation of this product is performed using Avitag™ technology. Briefly, the single lysine residue in the Avitag is enzymatically labeled with biotin.
Purity:	>95 % as determined by SDS-PAGE.
Endotoxin Level:	Less than 1.0 EU per µg by the LAL method.

Target Details

Target:	CD24
Alternative Name:	CD24 (CD24 Products)
Background:	CD24 may have a pivotal role in cell differentiation of different cell types. Signaling could be triggered by the binding of a lectin-like ligand to the CD24 carbohydrates, and transduced by the release of second messengers derived from the GPI-anchor. Modulates B-cell activation

Target Details

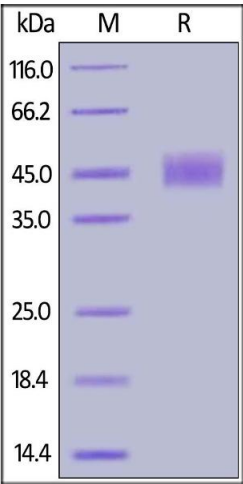
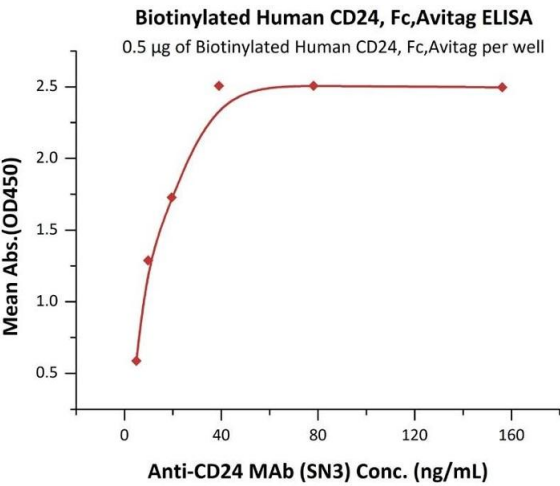
	responses. Promotes AG-dependent proliferation of B-cells, and prevents their terminal differentiation into antibody-forming cells. In association with SIGLEC10 may be involved in the selective suppression of the immune response to danger-associated molecular patterns (DAMPs) such as HMGB1, HSP70 and HSP90. Plays a role in the control of autoimmunity.
Molecular Weight:	31.4 kDa
NCBI Accession:	NP_001278666
Pathways:	Regulation of Leukocyte Mediated Immunity , Positive Regulation of Immune Effector Process , Activated T Cell Proliferation

Application Details

Comment:	<p>Ready-to-use AvitagTM biotinylated protein:</p> <p>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.</p> <p>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.</p>
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 Biotinylated Human CD24, Fc,Avitag (ABIN6938931,ABIN6950976) at 5 µg/mL (100 µL/well) on Streptavidin precoated (0.5 µg/well) plate, can bind A MAb (SN3) with a linear range of 0.6-20 ng/mL (QC tested).

SDS-PAGE

Image 2. Biotinylated Human CD24, Fc,Avitag on under reducing (R) condition. The gel was stained overnight with Coomassie Blue. The purity of the protein is greater than 95 % .