

Datasheet for ABIN6973031

CLEC12A Protein (AA 65-265) (AVI tag,His tag,Biotin)[Go to Product page](#)**3** Images

Overview

Quantity:	200 µg
Target:	CLEC12A
Protein Characteristics:	AA 65-265
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This CLEC12A protein is labelled with AVI tag,His tag,Biotin.

Product Details

Specificity:	Biotinylation of this product is performed using Avitag™ technology. Briefly, the single lysine residue in the Avitag is enzymatically labeled with biotin.
Characteristics:	Biotinylated Human CLEC12A / MICL / CLL-1 Protein, His,Avitag™
Purity:	>90 % as determined by SDS-PAGE.
Endotoxin Level:	Less than 1.0 EU per µg by the LAL method.

Target Details

Target:	CLEC12A
Alternative Name:	CLEC12A (CLEC12A Products)
Background:	CLEC12A (C-type lectin domain family 12 member A) is also known as CLL1, DCAL2, MICL.

Target Details

Clec12a is an inhibitory receptor for uric acid crystals that regulates inflammation in response to cell death. Cell surface receptor that modulates signaling cascades and mediates tyrosine phosphorylation of target MAP kinases. Evidence of distinct disease propagating stem cells in myelodysplastic syndrome (MDS) has emerged in recent years. The role of CLEC12A in MDS, however, remains to be elucidated. Furthermore, CLEC12A has been proposed as a promising marker of leukaemic stem cells in AML.

Molecular Weight:	27.3 kDa
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NCBI Accession:	NP_612210
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Application Details

Comment:	<p>Ready-to-use Avitag™ biotinylated protein:</p> <p>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.</p>
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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.

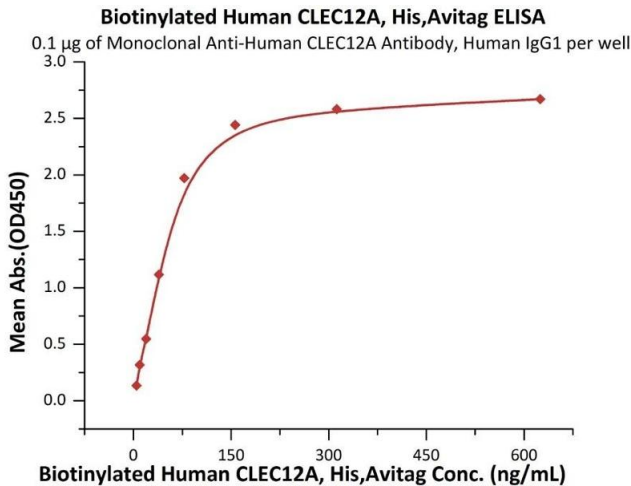
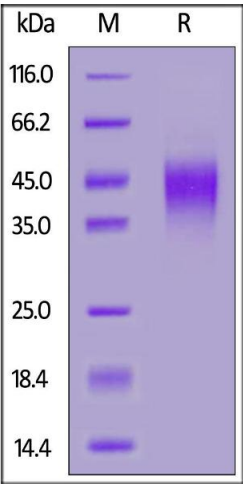
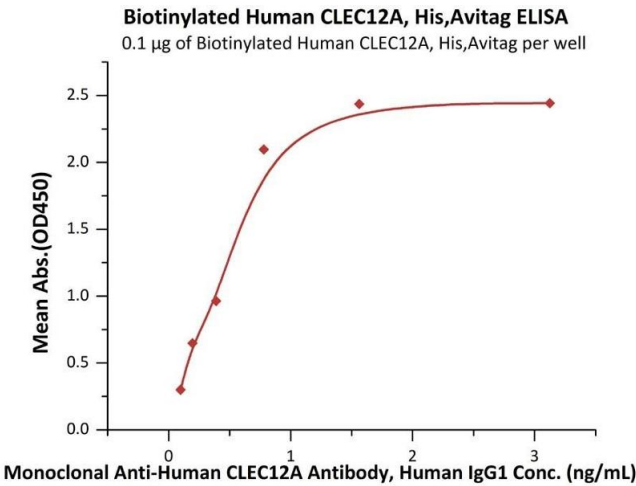
Restrictions:	For Research Use only
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Handling

Format:	Lyophilized
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Buffer:	PBS, pH 7.4
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Storage:	-20 °C
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ELISA

Image 1. Immobilized Biotinylated Human CLEC12A, His,Avitag (ABIN6973031) at 1 µg/mL (100 µL/well) on streptavidin precoated (0.5 µg/well) plate, can bind Monoclonal A CLEC12A Antibody, Human IgG1 with a linear range of 0.1-0.8 ng/mL (QC tested).

SDS-PAGE

Image 2. Biotinylated Human CLEC12A, 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 3. Immobilized Monoclonal A CLEC12A Antibody, Human IgG1 at 1 µg/mL (100 µL/well) can bind Biotinylated Human CLEC12A, His,Avitag (ABIN6973031) with a linear range of 5-78 ng/mL (Routinely tested).