

Datasheet for ABIN6973180

NCR1 Protein (AA 22-257) (His tag,AVI tag,Biotin)[Go to Product page](#)**3** Images

Overview

Quantity:	200 µg
Target:	NCR1
Protein Characteristics:	AA 22-257
Origin:	Cynomolgus
Source:	HEK-293 Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This NCR1 protein is labelled with His tag,AVI 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 Cynomolgus NKp46 / NCR1 / CD335 Protein, His,Avitag™ (MALS verified)
Purity:	>95 % as determined by SDS-PAGE.
Endotoxin Level:	Less than 1.0 EU per µg by the LAL method.

Target Details

Target:	NCR1
Alternative Name:	NKp46 (NCR1 Products)
Background:	Natural cytotoxicity triggering receptor 1 (NCR1) is also known as Natural killer cell p46-related

Target Details

protein (NK-p46), Lymphocyte antigen 94 homolog (LY94), CD antigen CD335, which belongs to the natural cytotoxicity receptor (NCR) family. NCR1 contains two Ig-like (immunoglobulin-like) domains. NCR1 interacts with CD247 and FCER1G. NCR1 / CD335 may contribute to the increased efficiency of activated natural killer (NK) cells to mediate tumor cell lysis.

Molecular Weight: 30.3 kDa

NCBI Accession: [NP_001271509](#)

Pathways: [Regulation of Leukocyte Mediated Immunity](#)

Application Details

Application Notes: MALS verified

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.

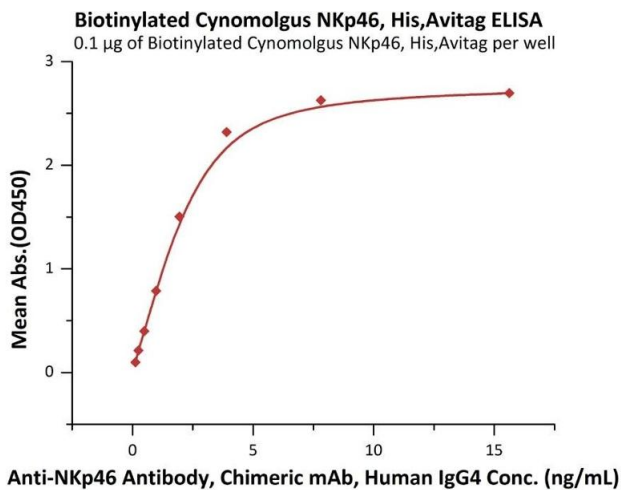
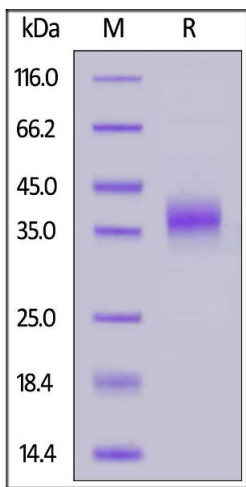
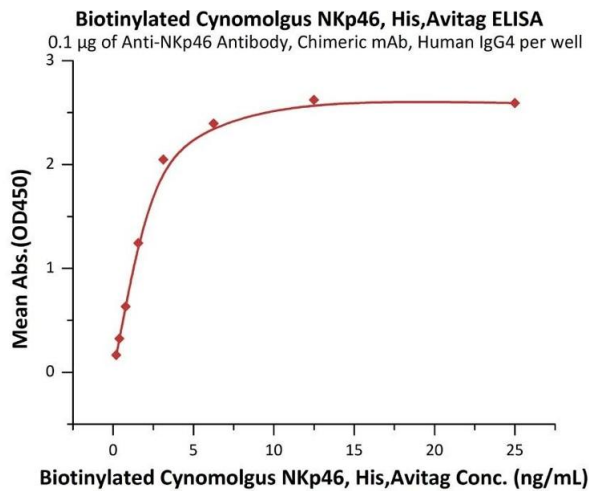
Restrictions: For Research Use only

Handling

Format: Lyophilized

Buffer: PBS, pH 7.4

Storage: -20 °C



ELISA

Image 1. Immobilized A Antibody, Chimeric mAb, Human IgG4 at 1 µg/mL (100 µL/well) can bind Biotinylated Cynomolgus NKp46, His,Avitag (ABIN6973180) with a linear range of 0.2-3 ng/mL (Routinely tested).

SDS-PAGE

Image 2. Biotinylated Cynomolgus NKp46, His,Avitag 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 Biotinylated Cynomolgus NKp46, His,Avitag (ABIN6973180) at 1 µg/mL (100 µL/well) on streptavidin precoated (0.5 µg/well) plate, can bind A Antibody, Chimeric mAb, Human IgG4 with a linear range of 0.1-2 ng/mL (QC tested).