

## Biotinylated Human NKG2D/CD314 Protein, His-Avi Tag

### 产品信息

产品名称	产品编号	规格
Biotinylated Human NKG2D/CD314 Protein, His-Avi Tag	93158ES60	100 µg
	93158ES76	500 µg
	93158ES80	1 mg

### 产品描述

NKG2D is a type II transmembrane glycoprotein having an extracellular lectin-like domain. Human NKG2D is expressed on CD8+ alpha beta T cells, gamma delta T cells, NK cells and NKT cells. In mouse systems NKG2D also occurs on macrophages. Human ligands for NKG2D include MICA, MICB, and ULBP1, 2, and 3. Expression of NKG2D ligands occurs in epithelial cells, tumor cells and under conditions of stress or infection. NKG2D exists as a disulfide-linked homodimer that delivers an activating signal upon ligand binding. NKG2D has been implicated in anti-tumor surveillance and the immune response against viral infection.

### 产品性质

<b>Synonyms</b>	CD314; D12S2489E; KLR; NKG2-D; NKG2D
<b>Uniprot No.</b>	P26718
<b>Source</b>	Recombinant Biotinylated Human NKG2D/CD314 Protein is expressed from HEK293 Cells with His tag and Avi tag at the N-terminal. It contains Phe78-Val216.
<b>Molecular Weight</b>	The protein has a predicted MW of 19.0 kDa. Due to glycosylation, the protein migrates to 36-40 kDa based on Tris-Bis PAGE result.
<b>Physical Appearance</b>	Sterile Filtered White lyophilized (freeze-dried) powder.
<b>Purity</b>	> 95% as determined by SDS-PAGE and HPLC
<b>Endotoxin</b>	< 1.0 EU per 1µg of the protein by the LAL method.
<b>Formulation</b>	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 5% trehalose is added as protectant before lyophilization.
<b>Reconstitution</b>	Centrifuge tubes before opening. Reconstituting to a concentration more than 100µg/mL is recommended. Dissolve the lyophilized protein in distilled water.

### 运输与保存方法

The products are shipped with ice pack and can be stored at -20°C for 1 year.

2-7 days, 2 to 8 °C under sterile conditions after reconstitution.

3 -6 months, -20 to -80°C under sterile conditions after reconstitution.

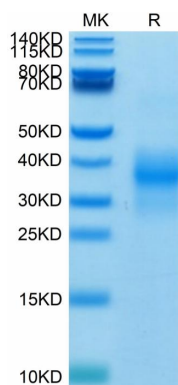
Recommend to aliquot the protein into smaller quantities for optimal storage. Please avoid freeze-thaw cycles.

### 注意事项

1. For your safety and health, please wear lab coats and disposable gloves for operation.
2. For research use only!

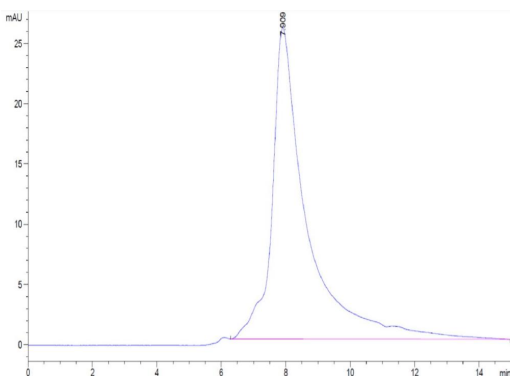
## 产品数据

### Tris-Bis PAGE



Biotinylated Human NKG2D on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.

### SEC-HPLC

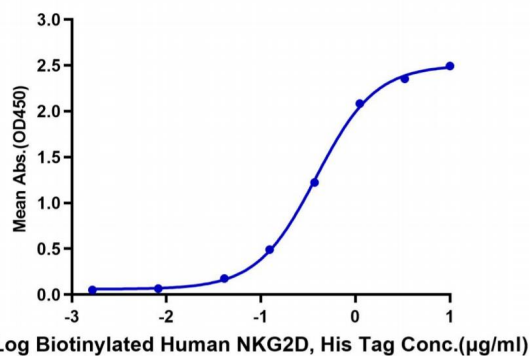


The purity of Biotinylated Human NKG2D is greater than 95% as determined by SEC-HPLC.

### ELISA Data

#### Biotinylated Human NKG2D, His Tag ELISA

0.2μg Anti-NKG2D Antibody, hFc Tag Per Well



Immobilized Anti-NKG2D Antibody at 2μg/mL (100μl/well) on the plate. Dose response curve for Biotinylated Human NKG2D, His Tag with the EC<sub>50</sub> of 0.39μg/mL determined by ELISA.