

Recombinant Human NKG2D / CD314 (His-Avi Tag)

产品信息

产品名称	产品编号	规格
Recombinant Human NKG2D / CD314 (His-Avi Tag)	93108ES20	20 µg
	93108ES60	100 µg
	93108ES76	500 µg
	93108ES80	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 δ 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

别名 (Synonyms)	CD314, D12S2489E, KLR, NKG2-D, NKG2D
Uniprot No.	P26718
表达区间及表达系统 (Source)	Recombinant Human NKG2D / CD314 Protein is expressed from HEK293 Cells with His tag and Avi tag at the N-terminal. It contains Phe78-Val216.
分子量(Molecular Weight)	Approximately 19 kDa. Due to glycosylation, the protein migrates to 36-38 kDa based on Tris-Bis PAGE result.
外观(Physical Appearance)	Sterile Filtered White lyophilized (freeze-dried) powder.
纯度 (Purity)	> 95% as determined by SDS-PAGE
活性 (Activity)	ELISA Data: Immobilized Human NKG2D, His Tag at 1 µg/mL (100 µL/well) on the plate. Dose response curve for Anti-NKG2D Antibody, hFc Tag with the EC ₅₀ of 4.7 ng/mL determined by ELISA.
内毒素 (Endotoxin)	< 1.0 EU per 1µg of the protein by the LAL method.
制剂 (Formulation)	Lyophilized from 0.22 µm filtered solution in PBS (pH 7.4). Normally 5% trehalose is added as protectant before lyophilization.
复溶 (Reconstitution)	Centrifuge tubes before opening. Reconstituting to a concentration more than 100 µg/mL is recommended (usually we use 1 mg/mL solution for lyophilization). Dissolve the lyophilized protein in distilled water.

运输与保存方法

冰袋运输。-20°C至-80°C保存，一年有效期。

复溶后，-20 至 -80°C，在未开封状态下保存 3-6 个月。复溶后，2-8°C 保存 2-7 天。

建议第一次使用时分装冻存，避免反复冻融。

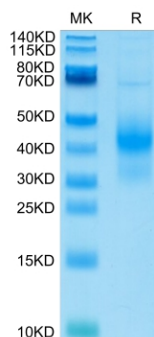
注意事项

1. 避免反复冻融。

2. 为了您的安全和健康，请穿实验服并戴一次性手套操作。
3. 本产品仅作科研用途！

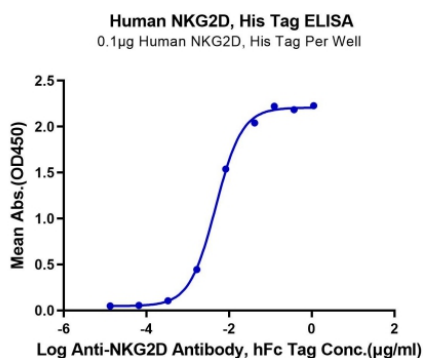
产品数据

Tris-Bis PAGE



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

ELISA Data



Immobilized Human NKG2D, His Tag at 1 μ g/mL (100 μ L/well) on the plate. Dose response curve for Anti-NKG2D Antibody, hFc Tag with the EC_{50} of 4.7 ng/mL determined by ELISA