

Active Recombinant Rhesus NKG2D Protein, His-tagged

Cat. No. NKG2D-1201R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant rhesus NKG2D (NP_001028061.1) (Phe78-Val216) was expressed with a polyhistidine tag at the N-terminus.
Species	Rhesus macaque
Source	Insect Cells
ProteinLength	Phe78-Val216
Form	Lyophilized from sterile 50 mM Tris, pH 8.0. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
Bio-activity	1. Immobilized Rhesus His-NKG2D (78-216) at 10 µg/ml (100 µl/well) can bind human ULBP1-Fch, The EC50 of human ULBP1-Fch is 0.12-0.28 µg/ml. 2. Immobilized Rhesus His-NKG2D (78-216) at 10 µg/ml (100 µl/well) can bind human MICB-Fch, The EC50 of human MICB-Fch is 33.8-79 ng/ml.
Molecular Mass	The recombinant rhesus NKG2D consists of 155 amino acids and has a calculated molecular mass of 18.3 kDa.
Endotoxin	< 1.0 EU per µg protein as determined by the LAL method.
Purity	> 95 % as determined by SDS-PAGE

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Storage

Samples are stable for up to twelve months from date of receipt at -20°C to -80°C
Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

Reconstitution

It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

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