



## Synonym

Natural cytotoxicity triggering receptor 2, NKp44, NCR2, CD336, LY95

## Source

Human NKp44, Llama IgG2b Fc Tag (NC2-H5258) is expressed from human 293 cells (HEK293). It contains AA Gln 22 - Ala 192 (Accession # [O95944-1](#)).

Predicted N-terminus: Gln 22

## Molecular Characterization

NKp44 Structure

[Other Tags and Version](#) [Biotin & Other Labeled Version](#)

This protein carries a llama IgG2b Fc tag at the C-terminus.

The protein has a calculated MW of 46.5 kDa. The protein migrates as 55-65 kDa when calibrated against [Star Ribbon Pre-stained Protein Marker](#) under reducing (R) condition (SDS-PAGE) due to glycosylation.

## Endotoxin

Less than 0.01 EU per µg by the LAL method / rFC method.

## Purity

>90% as determined by SDS-PAGE.

## Formulation

Lyophilized from 0.22 µm filtered solution in 50 mM Tris, 100 mM Glycine, 25 mM Arginine, 150 mM NaCl, pH7.5 with trehalose as protectant.

Contact us for customized product form or formulation.

## Reconstitution

Please see Certificate of Analysis for specific instructions.

**For best performance, we strongly recommend you to follow the reconstitution protocol provided in the CoA.**

## Storage

For long term storage, the product should be stored at lyophilized state at -20°C or lower.

**Please avoid repeated freeze-thaw cycles.**

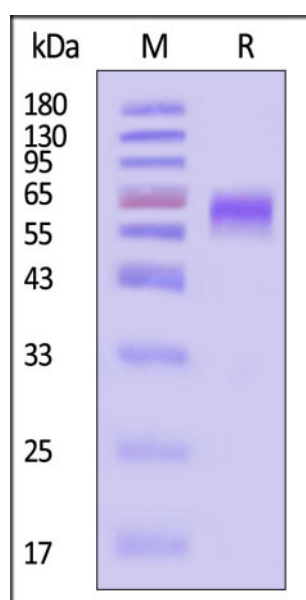
This product is stable after storage at:

- -20°C to -70°C for 12 months in lyophilized state;
- -70°C for 3 months under sterile conditions after reconstitution.

## ACRO Quality Management System

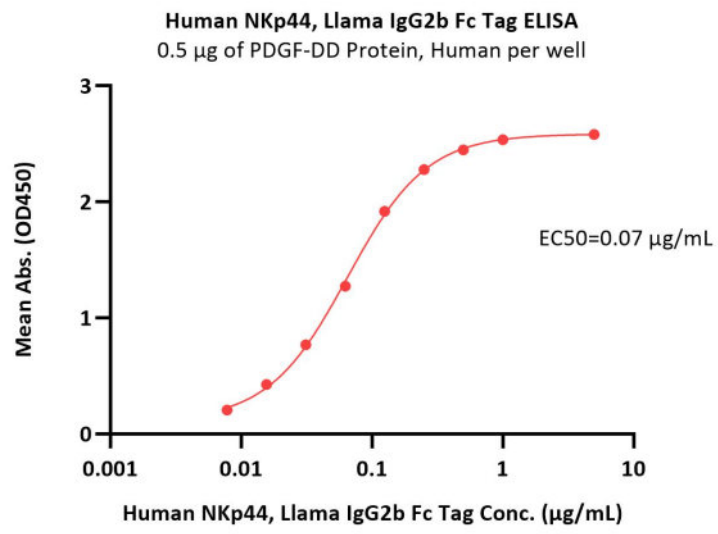
- [QMS\(ISO, GMP\)](#)
- [Quality Advantages](#)
- [Quality Control Process](#)

## SDS-PAGE



Human NKp44, Llama IgG2b Fc Tag on SDS-PAGE under reducing (R) condition. The gel was stained with Coomassie Blue. The purity of the protein is greater than 90% (With [Star Ribbon Pre-stained Protein Marker](#)).

## Bioactivity-ELISA



Immobilized PDGF-DD Protein, Human at 5 µg/mL (100 µL/well) can bind Human NKp44, Llama IgG2b Fc Tag (Cat. No. NC2-H5258) with a linear range of 0.008-0.25 µg/mL (Routinely tested).

## Background

NKp44, a member of Natural Cytotoxicity Receptors (NCRs), is an activating receptor playing a crucial role in most functions exerted by activated NK cells and also by other NKp44<sup>+</sup> immune cells. Membrane-associated PCNA is a ligand for the NKp44 (NCR2) innate immune receptor. Membrane-associated PCNA is a ligand for the NKp44 (NCR2) innate immune receptor. NKp44 / NCR2 / CD336 may contribute to the increased efficiency of activated natural killer (NK) cells to mediate tumor cell lysis.

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