

Synonym

NCR1,LY94,CD335,NK-p46,hNKp46

Source

Cynomolgus NKp46, Llama IgG2b Fc Tag(NC1-C5255) is expressed from human 293 cells (HEK293). It contains AA Pro 22 - Arg 257 (Accession # [Q95JB9-1](#)).

Molecular Characterization

NKp46(Pro 22 - Arg 257) Q95JB9-1	LlamaFc(Glu 1 - Ser 243) AAX73259.1
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This protein carries a llama IgG2b Fc tag at the C-terminus.

The protein has a calculated MW of 54.7 kDa. The protein migrates as 60-70 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.

Endotoxin

Less than 0.01 EU per µg by the LAL 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

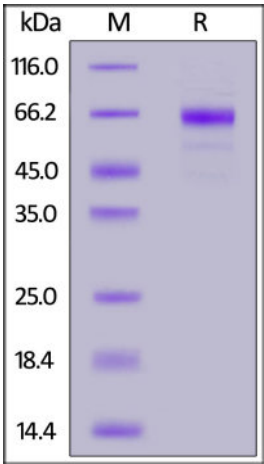
After reconstitution, this product is stable after storage at -20°C or lower.

Please avoid repeated freeze-thaw cycles.

This product is stable after storage at:

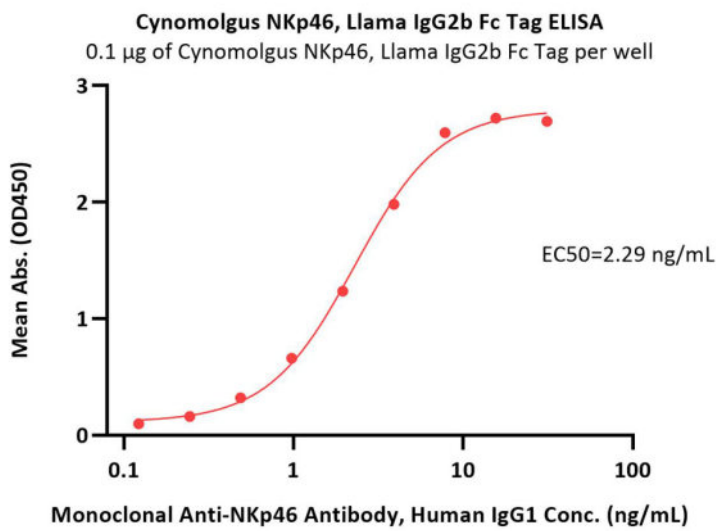
- 20°C to -70°C for 12 months in lyophilized state;
- 70°C for 3 months under sterile conditions after reconstitution.

SDS-PAGE



Cynomolgus NKp46, 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%.

Bioactivity-ELISA



Immobilized Cynomolgus NKp46, Llama IgG2b Fc Tag (Cat. No. NC1-C5255) at 1 µg/mL (100 µL/well) can bind Monoclonal Anti-NKp46 Antibody, Human IgG1 with a linear range of 0.1-4 ng/mL (QC tested).

Background

Natural cytotoxicity triggering receptor 1 (NCR1) is also known as Natural killer cell p46-related 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.

Clinical and Translational Updates

Please contact us via TechSupport@acrobiosystems.com if you have any question on this product.