

Alexa Fluor™ 488-Labeled Human NKp46 / NCR1 / CD335 Protein, His TagStar Staining

Catalog # NC1-HA2H5



BIOSYSTEMS
Acro

Synonyms

Nkp46

Source

Alexa Fluor 488-Labeled Human NKp46 Protein, His Tag (NC1-HA2H5) is produced via conjugation of AF488 to Human NKp46, His Tag with a new generation site-specific technology under Star Staining labeling platform. Human NKp46, His Tag is expressed from human 293 cells (HEK293). is expressed from human 293 cells (HEK293). It contains AA Gln 22 - Arg 258 (Accession # [O76036-1](#)).

Molecular Characterization

This protein carries a polyhistidine tag at the C-terminus.

The protein has a calculated MW of 41.0 kDa. The protein migrates as 45-55 kDa when calibrated against [Star Ribbon Pre-stained Protein Marker](#) under reducing (R) condition (SDS-PAGE) due to glycosylation.

Conjugate

AF488

Excitation Wavelength: 488 nm

Emission Wavelength: 517 nm

Purity

>90% as determined by SDS-PAGE.

Formulation

Lyophilized from 0.22 µm filtered solution in PBS, pH7.4 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.

Shipping and Storage

This product is shipped at ambient temperature.

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

Please protect from light and avoid repeated freeze-thaw cycles.

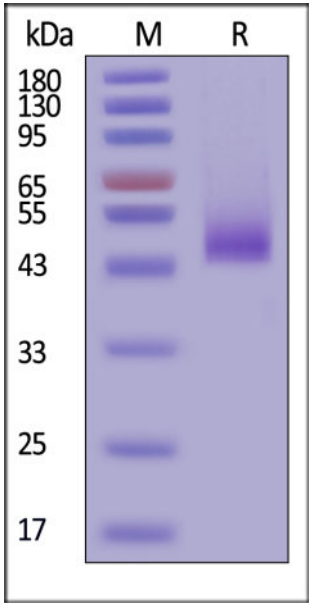
This product is stable after storage at:

- -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

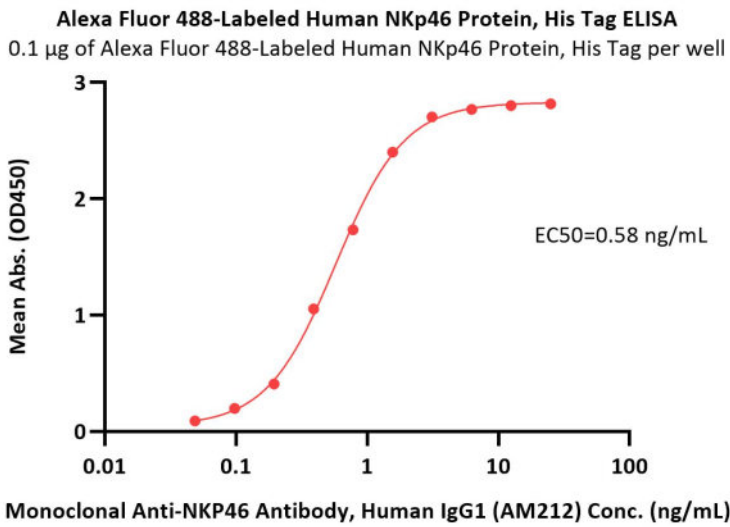
- [QMS\(ISO, GMP\)](#)
- [Quality Advantages](#)
- [Quality Control Process](#)

SDS-PAGE



Alexa Fluor 488-Labeled Human NKp46 Protein, His 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 Alexa Fluor 488-Labeled Human NKp46 Protein, His Tag (Cat. No. NC1-HA2H5) at 1 µg/mL (100 µL/well) can bind Monoclonal Anti-NKP46 Antibody, Human IgG1 (AM212) with a linear range of 0.05-2 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.



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