

Alexa Fluor™ 647-Labeled Human NKp80 Protein, His Tag

Catalog # NK0-HA243



BIOSYSTEMS
Acro

Synonym

CLEC5C, NKp80

Source

Alexa Fluor 647-Labeled Human NKp80 Protein, His Tag (NK0-HA243) is expressed from human 293 cells (HEK293). It contains AA Leu 60 - Tyr 231 (Accession # [Q9NZS2-1](#)). It is the Alexa Fluor™ 647 labeled form of Human NKp80 Protein, His Tag.

Molecular Characterization

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

The protein has a calculated MW of 23.9 kDa and 15.5 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.

Conjugate

AF647

Excitation Wavelength: 640 nm

Emission Wavelength: 672 nm

Labeling

The primary amines in the side chains of lysine residues and the N-terminus of the protein are conjugated with AF647 using standard chemical labeling method. The residual AF647 is removed by molecular sieve treatment during purification process.

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.

Storage

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.

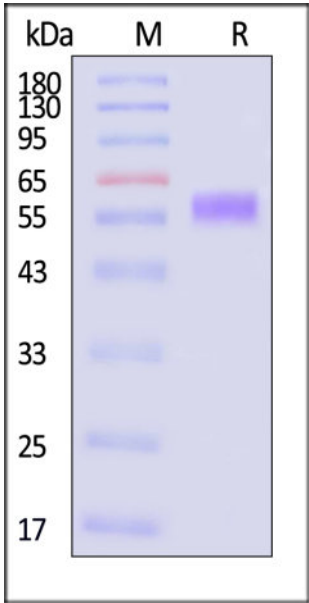
This product is stable after storage at:

- -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

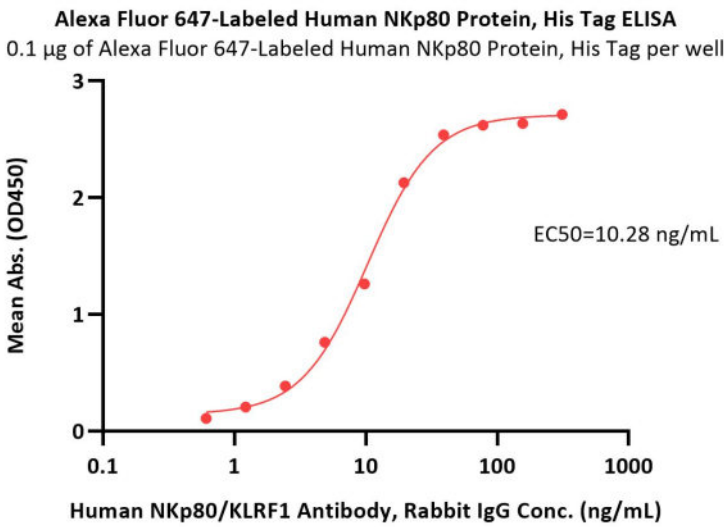
- [QMS\(ISO, GMP\)](#).
- [Quality Advantages](#)
- [Quality Control Process](#)

SDS-PAGE



Alexa Fluor 647-Labeled Human NKp80 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 647-Labeled Human NKp80 Protein, His Tag (Cat. No. NK0-HA243) at 1 µg/mL (100 µL/well) can bind Human NKp80/KLRF1 Antibody, Rabbit IgG with a linear range of 0.6-20 ng/mL (QC tested).

Background

KLRF1,an activating homodimeric C-type lectin-like receptor(CTLR), is expressed on nearly all natural killer(NK)cells and stimulates their cytotoxicity and cytokine release.



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