

Synonym

Delta3,delta-like 3 (Drosophila),delta-like protein
3,DLL3,Pudgy,SCDO1,SCDO1delta3

Source

Alexa Fluor 647-Labeled Human DLL3 Protein, His Tag (DL3-HA2H3) is produced via conjugation of AF647 to Human DLL3 Protein, His Tag with a new generation site-specific technology under Star Staining labeling platform. Human DLL3 Protein, His Tag is expressed from human 293 cells (HEK293). It contains AA Ala 27 - Leu 492 (Accession # [Q9NYJ7-1](#)).
Predicted N-terminus: Ala 27

Molecular Characterization

This protein carries a polyhistidine tag at the C-terminus

The protein has a calculated MW of 65.7 kDa.

Conjugate

AF647

Excitation Wavelength: 640 nm

Emission Wavelength: 672 nm

Endotoxin

Less than 1.0 EU per µg by the LAL method.

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.

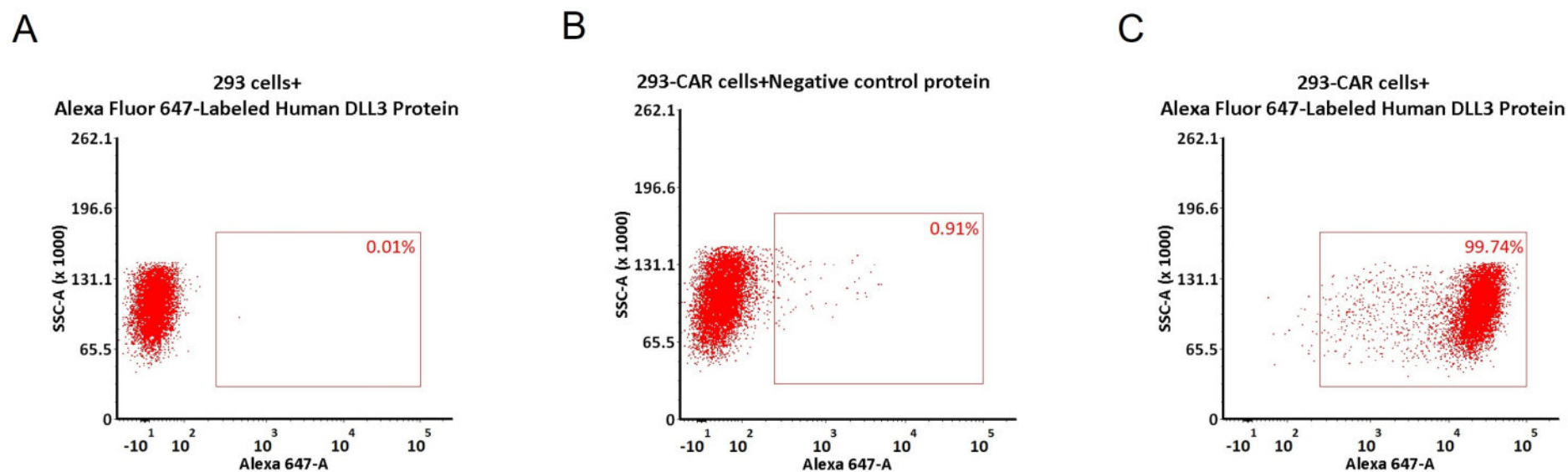
Please protect from light and avoid repeated freeze-thaw cycles.

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.

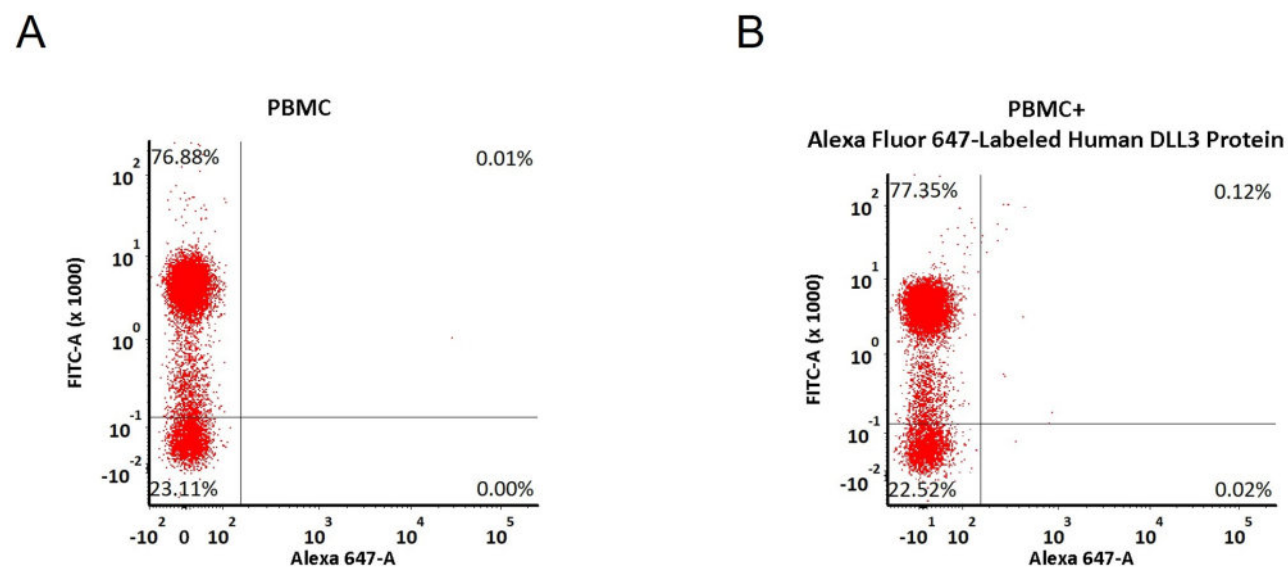
Evaluation of CAR expression

FACS Analysis of Anti-DLL3 CAR Expression



5e5 of anti-DLL3 CAR-293 cells were stained with 100 µL of 1 µg/mL of Alexa Fluor 647-Labeled Human DLL3 Protein, His Tag (Cat. No. DL3-HA2H3) and negative control protein respectively (Fig. C and B), and non-transfected 293 cells were used as a control (Fig. A). Alexa 647 signal was used to evaluate the binding activity (QC tested).

FACS Analysis of Non-specific binding to PBMCs



5e5 of PBMCs were stained with Alexa Fluor 647-Labeled Human DLL3 Protein, His Tag (Cat. No. DL3-HA2H3) and anti-CD3 antibody, washed and then analyzed with FACS. FITC signal was used to evaluate the expression of CD3+ T cells in PBMCs, and Alexa 647 signal was used to evaluate the non-specific binding activity to PBMCs (QC tested).

Background

Delta-like protein 3 (DLL3) is a transmembrane protein that belongs to the Delta/Serrate/Lag-2 (DSL) family of Notch ligands. May be required to divert neurons along a specific differentiation pathway. Plays a role in the formation of somite boundaries during segmentation of the paraxial mesoderm. DLL3 protein is expressed on the surface of tumor cells but not in normal adult tissues.

Clinical and Translational Updates

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