

Synonym

GPC3,OCI5,Glypican-3,GTR2-2,MXR7,DGSX,SDYS ,SGB,SGBS,SGBS1

Source

PE-Labeled Human Glypican 3, His Tag (GP3-HP2E3) is produced via site-specific conjugation of PE to Human Glypican 3, His Tag under optimal conditions with a proprietary technology. Human Glypican 3, His Tag is expressed from human 293 cells (HEK293). It contains AA Gln 25 - His 559 (Accession # [P51654-1](#)).
Predicted N-terminus: Gln 25

Molecular Characterization

Glypican 3(Gln 25 - His 559)
P51654-1

Poly-his

This protein carries a polyhistidine tag at the C-terminus.
The protein has a calculated MW of 64.5 kDa.

Conjugate

PE
Excitation Wavelength: 488 nm / 561 nm
Emission Wavelength: 575 nm

Application

Please note that this product is NOT compatible to streptavidin detection system.

Formulation

Lyophilized from 0.22 μm filtered solution in PBS, 0.5% BSA, pH7.4 with trehalose as protectant.
Contact us for customized product form or formulation.

Reconstitution

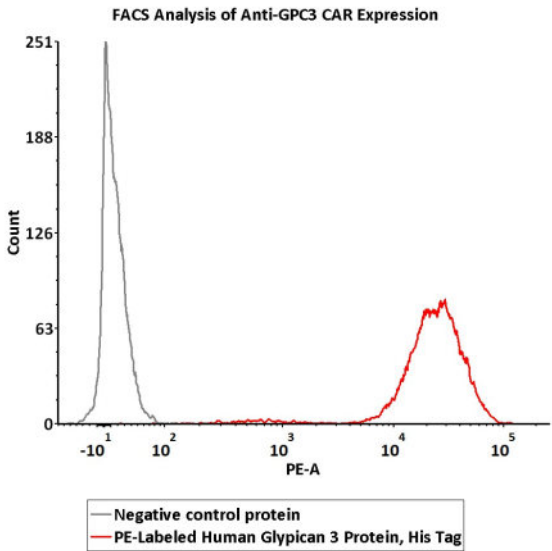
Please see Certificate of Analysis for specific instructions.
For best performance, we strongly recommend you to follow the reconstitution protocol provided in the CoA.

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.

Bioactivity-FACS



5e5 of anti-GPC3 CAR-293 cells were stained with 100 μL of 1:25 dilution (4 μL stock solution in 100 μL FACS buffer) of PE-Labeled Human Glypican 3, His Tag (Cat. No. GP3-HP2E3) and negative control protein respectively. PE signal was used to evaluate the binding activity (QC tested).

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and more!



PE-Labeled Human Glypican 3 / GPC3 Protein, His Tag (Site-specific conjugation)

Catalog # GP3-HP2E3



Background

Glypican-3 (GPC3) is also known as Intestinal protein OCI-5, GTR2-2, MXR7, which belongs to the glypican family. Glypican 3 / GPC-3 is highly expressed in lung, liver and kidney. Glypican-3 inhibits the dipeptidyl peptidase activity of DPP4. Glypican-3 may be involved in the suppression/modulation of growth in the predominantly mesodermal tissues and organs, and also may play a role in the modulation of IGF2 interactions with its receptor and thereby modulate its function.

