

PE-Labeled Human GPC3/Glypican 3 Protein

Cat. No. GPC-HM131P

Description

Source	Recombinant PE-Labeled Human GPC3/Glypican 3 Protein is expressed from HEK293 with His tag at the C-terminus. It contains Gln25-His559.
Accession	P51654-1
Molecular Weight	The protein has a predicted MW of 61.6 kDa.
Wavelength	Excitation Wavelength: 488 nm / 561 nm Emission Wavelength: 575 nm
Endotoxin	Less than 1EU per µg by the LAL method.

Formulation and Storage

Formulation	Lyophilized from 0.22 µm filtered solution in PBS (pH 7.4). Normally 8% trehalose / 8% mannitol is added as protectant before lyophilization.
Reconstitution	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/ml is recommended. Dissolve the lyophilized protein in distilled water.
Storage	-20 to -80°C for 12 months as supplied from date of receipt. -80°C for 3-6 months after reconstitution. 2-8°C for 2-7 days after reconstitution. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

Background

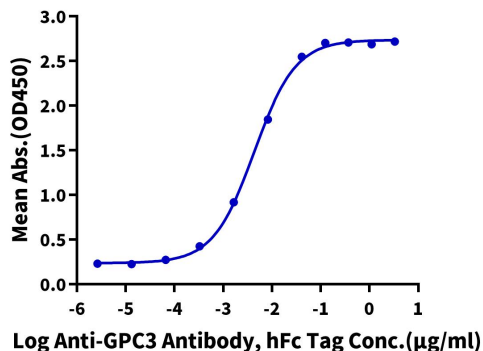
Glypican-3 is a protein, which is encoded by the GPC3 gene in humans. The protein core of GPC3 consists of two subunits, where the N-terminal subunit has a size of ~40 kDa and the C-terminal subunit is ~30 kDa. Glypican 3 is a potential therapeutic target for treating liver cancer and other cancers. Several therapeutic anti-GPC3 antibodies have been developed.

Assay Data

ELISA Data

PE-Labeled Human GPC3, His Tag ELISA

0.05 µg PE-Labeled Human GPC3, His Tag Per Well



Immobilized PE-Labeled Human GPC3, His Tag at 0.5 µg/ml (100 µl/well) on the plate. Dose response curve for Anti-GPC3 Antibody, hFc Tag with the EC50 of 4.4 ng/ml determined by ELISA.