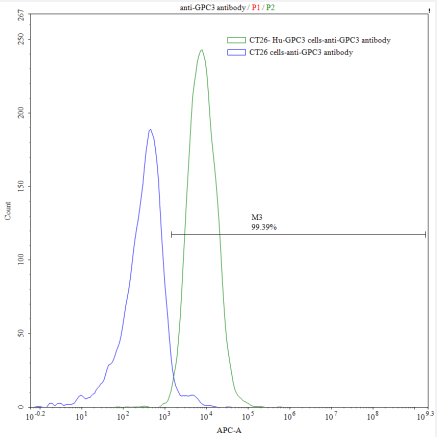
# Human GPC3 Overexpression CT26 Cell Line

Catalog # U0624 Size

## Applications




### Flow Cytometry

Untransfected CT26 cells (green line) and transfected Human GPC3 CT26 Stable cells (red line) were stained with anti-GPC3 antibody, washed and then followed by APC-conjugated anti-Human IgG Fc antibody and analyzed with flow cytometry.

## Specification

| | |
|---|---|
| **Product Description** | Human GPC3 CT26 Stable Cell Line |
| **Transfected Cell Line** | CT26 cell |
| **Host** | Mouse |
| **Form** | Liquid |
| **Recommend Usage** | ELISA<br>Flow Cytometry |
| **Growth Properties** | Adherent |
| **Selection Marker** | Puromycin |
| **Culture Medium** | DMEM + 10% FBS + 10 ug/mL Puromycin |
| **Storage Buffer** | 35% FBS, 55% DMEM, 10% DMSO |

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|---|---|
| **Storage Instruction** | Store at -80°C. For long term storage store at liquid nitrogen storage.<br>Aliquot to avoid repeated freezing and thawing. |
| **Note** | FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES OR THERAPEUTIC APPLICATIONS. |

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## Gene Info — GPC3

| | |
|---|---|
| **Entrez GeneID** | 2719 |
| **Protein Accession#** | P51654 |
| **Gene Name** | GPC3 |
| **Gene Alias** | DGSX, OCI-5, SDYS, SGB, SGBS, SGBS1 |
| **Gene Description** | glypican 3 |
| **Omim ID** | 194070 300037 312870 |
| **Gene Ontology** | Hyperlink |
| **Gene Summary** | Cell surface heparan sulfate proteoglycans are composed of a membrane-associated protein core substituted with a variable number of heparan sulfate chains. Members of the glypican-related integral membrane proteoglycan family (GRIPS) contain a core protein anchored to the cytoplasmic membrane via a glycosyl phosphatidylinositol linkage. These proteins may play a role in the control of cell division and growth regulation. The protein encoded by this gene can bind to and inhibit the dipeptidyl peptidase activity of CD26, and it can induce apoptosis in certain cell types. Deletion mutations in this gene are associated with Simpson-Golabi-Behmel syndrome, also known as Simpson dysmorphia syndrome. Alternative splicing results in multiple transcript variants. [provided by RefSeq |
| **Other Designations** | OTTHUMP00000024058\|OTTHUMP00000062492\|glypican proteoglycan 3 |

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