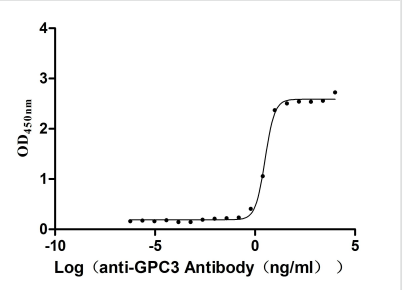
GPC3 Recombinant Monoclonal Antibody

Product Code	CSB-RA009705A1HU
Storage	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.
Uniprot No.	P51654
Immunogen	Recombinant Human GPC3 protein
Species Reactivity	Human
Tested Applications	ELISA
Form	Liquid
Conjugate	Non-conjugated
Storage Buffer	Preservative: 0.03% Proclin 300 Constituents: 50% Glycerol, 0.01M PBS, PH 7.4
Purification Method	Affinity-chromatography
Isotype	hIgG1
Clonality	Monoclonal
Product Type	Recombinant Antibody
Immunogen Species	Homo sapiens (Human)
Research Area	Immunology
Gene Names	GPC3
Clone No.	4C3

Image



The Binding Activity of Human GPC3 with Anti-GPC3 recombinant Antibody
Activity: Measured by its binding ability in a functional ELISA. Immobilized Human GPC3 (CSB-MP009705HU(M)) at 2 μg/mL can bind Anti- GPC3 recombinant Antibody, the EC_{50} is 2.783-3.653 ng/mL.

Description

The GPC3 recombinant monoclonal antibody was meticulously produced by CUSABIO using a systematic approach. Initially, isolating B cells from the spleen of an immunized animal. The recombinant human GPC3 protein was used as the immunogen. Following this, extracting RNA from the B cells and converting it into cDNA through reverse transcription. Using the cDNA as a template, the gene encoding the GPC3 antibody was amplified with a degenerate primer and inserted into a vector. This recombinant vector was then transfected into host cells, facilitating the expression of the GPC3 recombinant monoclonal antibodies. These antibodies were subsequently harvested from the cell culture supernatant and purified using affinity chromatography. It has been

confirmed that this antibody can detect human GPC3 protein in ELISA.