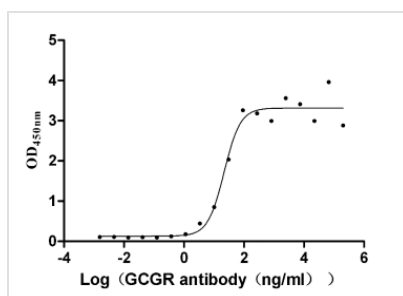




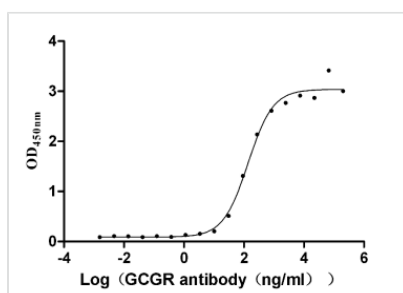
GCGR Recombinant Monoclonal Antibody

| | |
|----------------------------|--|
| Product Code | CSB-RA009316A1HU |
| Storage | Upon receipt, store at -20°C or -80°C. Avoid repeated freeze. |
| Uniprot No. | P47871 |
| Immunogen | Recombinant Human GCGR 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 | Cancer; Metabolism; Signal transduction |
| Gene Names | GCGR |
| Clone No. | 9G1 |

Image



The Binding Activity of Human GCGR with Anti-GCGR recombinant antibody.
Activity: Measured by its binding ability in a functional ELISA. Immobilized Human GCGR (CSB-MP009316HU1) at 2 µg/mL can bind Anti-GCGR recombinant antibody, the EC₅₀ is 14.57-32.56 ng/mL.



The Binding Activity of Human GCGR with Anti-GCGR recombinant antibody.
Activity: Measured by its binding ability in a functional ELISA. Immobilized Human GCGR (CSB-YP009316HU1) at 2 µg/mL can bind Anti-GCGR recombinant antibody, the EC₅₀ is 104.1-179.5 ng/mL.

Description

The creation of the GCGR recombinant monoclonal antibody involves a



meticulous process to ensure its exceptional quality and specificity. Initially, B cells are isolated from the spleen of an immunized animal using the recombinant human GCGR protein as the immunogen. RNA is extracted from the B cells and converted into complementary DNA (cDNA) through reverse transcription. The GCGR antibody genes are amplified using specific primers designed for the antibody constant regions and then inserted into an expression vector. This vector is subsequently introduced into host cells through transfection, enabling the production of the GCGR recombinant monoclonal antibody. Following a period of cell culture, the antibody is harvested from the cell culture supernatant and subjected to purification using affinity chromatography, resulting in a highly purified form suitable for various applications. The antibody's specificity and functionality have been validated in ELIAS for detecting human GCGR protein.