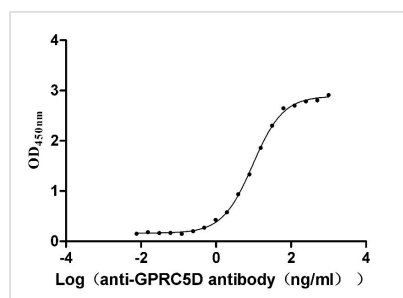




GPRC5D Recombinant Monoclonal Antibody

Product Code	CSB-RA882153MA01HU
Storage	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.
Uniprot No.	Q9NZD1
Immunogen	Recombinant Human GPRC5D 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	hIgG4(S228P)
Clonality	Monoclonal
Product Type	Recombinant Antibody
Immunogen Species	Homo sapiens (Human)
Research Area	Immunology
Gene Names	GPRC5D
Clone No.	3D4

Image



The Binding Activity of Human GPRC5D with Anti-GPRC5D recombinant Antibody Activity: Measured by its binding ability in a functional ELISA. Immobilized Human GPRC5D(CSB-MP882153HU) at 5 µg/mL can bind Anti-GPRC5D recombinant antibody, the EC₅₀ is 8.847-10.38 ng/mL.

Description

The creation of the GPRC5D recombinant monoclonal antibody follows a meticulous and precise process to ensure its exceptional quality and specificity. It begins with the isolation of B cells from an immunized animal, where the recombinant human GPRC5D protein is used as the immunogen. Total RNA is extracted from these B cells and converted into cDNA through reverse transcription. The GPRC5D antibody genes are then amplified using specific primers designed for the antibody constant regions and inserted into an expression vector. Through transfection, the vector is introduced into host cells, enabling the production of the GPRC5D recombinant monoclonal antibody. Following a period of cell culture, the antibody is harvested from the supernatant.



and subjected to purification using affinity chromatography, resulting in a highly purified form suitable for diverse applications. CUSABIO performs ELISA to validate the antibody's specificity and functionality in detecting human GPRC5D protein.