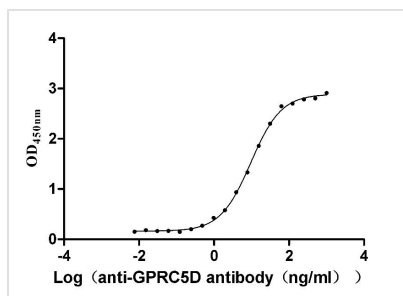




# GPRC5D Recombinant Monoclonal Antibody

<b>Product Code</b>	CSB-RA882153MA01HU
<b>Storage</b>	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.
<b>Uniprot No.</b>	Q9NZD1
<b>Immunogen</b>	Recombinant Human GPRC5D protein
<b>Species Reactivity</b>	Human
<b>Tested Applications</b>	ELISA
<b>Form</b>	Liquid
<b>Conjugate</b>	Non-conjugated
<b>Storage Buffer</b>	Preservative: 0.03% Proclin 300 Constituents: 50% Glycerol, 0.01M PBS, PH 7.4
<b>Purification Method</b>	Affinity-chromatography
<b>Isotype</b>	hIgG4(S228P)
<b>Clonality</b>	Monoclonal
<b>Product Type</b>	Recombinant Antibody
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Research Area</b>	Immunology
<b>Gene Names</b>	GPRC5D
<b>Clone No.</b>	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 EC<sub>50</sub> 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.