

# Anti-human GPRC5D, AlpHcAbs®

## Human antibody

### Summary

Code#	300-631-001
Immunogen	Recombinant human GPRC5D
Host	Alpaca pacous
Isotype	VHH domain of alpaca IgG2b/2c fused to human IgG1
Conjugate	Unconjugated
Specificity	Human GPRC5D
Purity	Recombinant Expression and Affinity purified
Concentration	1mg/ml
Formation	Liquid, 10mM PBS (pH 7.5), 0.05% sucrose, 0.1% trehalose, 0.01% proclin300, 50% Glycerol
Storage	Store at -20 °C, (Avoid freeze / thaw cycles), Stable for 12 months at -20°C

### Description

Anti-GPRC5D, AlpHcAbs® Human antibody is designed for detecting human GPRC5D specifically. Based on ELISA and/or FCM, Anti-GPRC5D, AlpHcAbs® Human antibody reacts with human and cyno GPRC5D specifically, not reacts GPRC5A, GPRC5B, GPRC5C.

### Background

G-protein coupled receptor family C group 5 member D (GPRC5D) is a retinoic acid-inducible 40 kDa protein with seven transmembrane segments and a short N terminal extracellular region. Widely expressed in the peripheral system. Expression pattern is high in pancreas, medium in kidney, small intestine, spleen and testis, low in lung, colon, leukocyte, prostate and thymus and not detectable in brain, heart, liver, placenta, skeletal muscle and ovary

### Benefits

High lot-to-lot consistency  
Increased sensitivity and higher affinity  
Animal-free production

### Application notes

ELISA: 1:4,000-1:10000  
Flow Cytometry: 1:200-1:1000

Dilution factors are presented in the form of a range because the optimal dilution is a function of many factors, such as antigen density, permeability, etc. The actual dilution used must be determined empirically.

This product is for research use only and is not approved for use in humans or in clinical