

Anti-GPRC5D Antibody (8B50)

Product Details

Ig Type:	Mouse IgG2b
Reactivity:	Human
Conjugation:	Unconjugated
Clone:	8B50
Purification:	Protein A

Applications

Verified Activity:	<p>1. Flow cytometric analysis of Human GPRC5D expression on CHO-K1-transfected Cells were stained with purified anti-Human GPRC5D, then a FITC-conjugated second step antibody. The fluorescence histograms were derived from gated events with the forward and side light-scatter characteristics of intact cells.</p> <p>2. Measured by its binding ability in a functional ELISA. Immobilized Human GPRC5D-VLP protein at 5 µg/mL (100 µL/well) can bind GPRC5D Antibody, Mouse MAb, the EC50 is 0.5-5 ng/mL. The VLP isotype control Protein is the negative control.</p>
Application:	ELISA, FCM
Recommended	ELISA: 1:1000-1:2000; FCM: 1:25-1:100

Properties

Stability & Storage:	Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles. Preservative-Free.
Shipping:	Shipping with blue ice.

Antigen Details

Immunogen:	Recombinant Protein: Human GPRC5D Protein
Antigen Species:	Human
Synonyms:	GPRC5D

Research Background

Orphan G-protein-coupled receptor family C group 5 member D (GPRC5D) has seven transmembrane segments forming the core of the receptor, as well as an intracellular C-tail and an extracellular N-terminal domain. GPRC5D is highly and selectively expressed on the surface of CD138+ multiple myeloma (MM) cells, whereas in normal tissues, a much lower expression is limited to plasma cells and certain hard keratinizing tissues. This makes GPRC5D a promising marker for monitoring tumor load and a target antigen for MM-specific T cell-engaging therapies such as bispecific antibodies and CAR-T cells.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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