HUMAN GPRC5D FULL LENGTH PROTEIN

Cat.#: 12240
Product Name: Human GPRC5D Full Length Protein
Size : 10 µg, 50 µg and 100 µg
Synonyms: GPRC5D
Target: GPRC5D
UNIPROT ID: Q9NZD1
Description: Human GPRC5D full length protein on exosome
Background: The protein encoded by this gene is a member of the G protein-coupled receptor family. Recent studies demonstrate that GPRC5D is expressed on malignant bone marrow plasma cells, whereas normal tissue expression is limited to the hair follicle. It may represent a potential target for effector-cell–mediated therapy to treat plasma-cell disorders like MM.
Species/Host: HEK293
Molecular Weight: The human full length GPRC5D Protein has a MW of 38.6 kDa
Formulation & Reconstitution: Lyophilized from nanodisc solubilization buffer (20 mM Tris-HCl, 150 mM NaCl, pH 8.0). Normally 5% – 8% trehalose is added as protectants before lyophilization.
Storage & Shipping: Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.

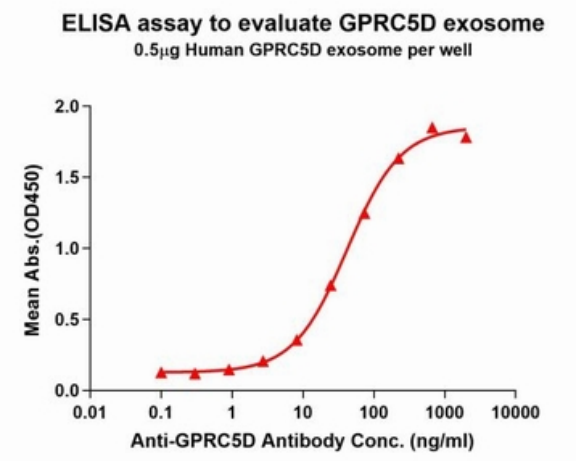

Figure1. Elisa plates were pre-coated with 0.5 µg/per well purified human GPRC5D full length protein exosomes. Serial diluted anti-GPRC5D monoclonal antibody (28421) solutions were added, washed, and incubated with secondary antibody before Elisa reading. From above data, the EC50 for anti-GPRC5D monoclonal antibody binding with GPRC5D exosomes is 41.99ng/ml.

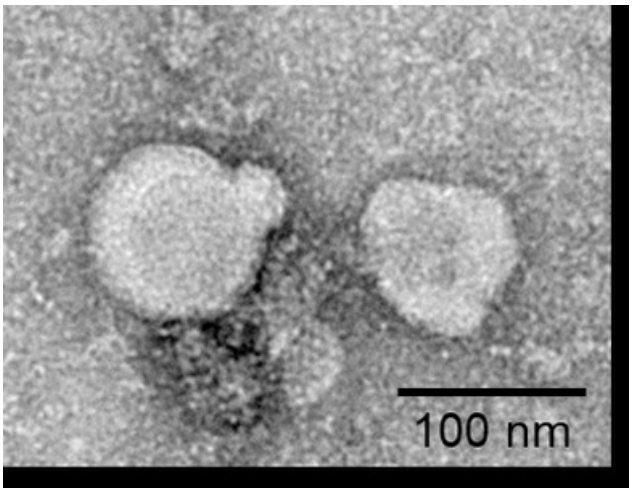

Figure3. TEM image of GPRC5D exosomes

FOR RESEARCH USE ONLY. NOT FOR DIAGNOSTIC APPLICATIONS