HUMAN CD63 FULL LENGTH PROTEIN

目录: 12233
产品名称: Human CD63 Full Length Protein
规格: 10 µg, 50 µg and 100 µg
基因符号: LAMP-3; ME491; MLA1; OMA81H; TSPAN30
Target: CD63
UNIPROT ID: P08962
描述: Human CD63 full length protein membrane nanoparticles (MNPs)
背景: The protein is a member of the transmembrane 4 superfamily, also known as the tetraspanin family. Most of these members are cell-surface proteins that are characterized by the presence of four hydrophobic domains. The proteins mediate signal transduction events that play a role in the regulation of cell development, activation, growth and motility. The encoded protein is a cell surface glycoprotein that is known to complex with integrins. It may function as a blood platelet activation marker. Deficiency of this protein is associated with Hermansky-Pudlak syndrome. Also this gene has been associated with tumor progression. Alternative splicing results in multiple transcript variants encoding different protein isoforms.
Species/Host: HEK293
Molecular Weight: The human full length CD63 protein has a MW of 25.6 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.
储存和运输: 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.

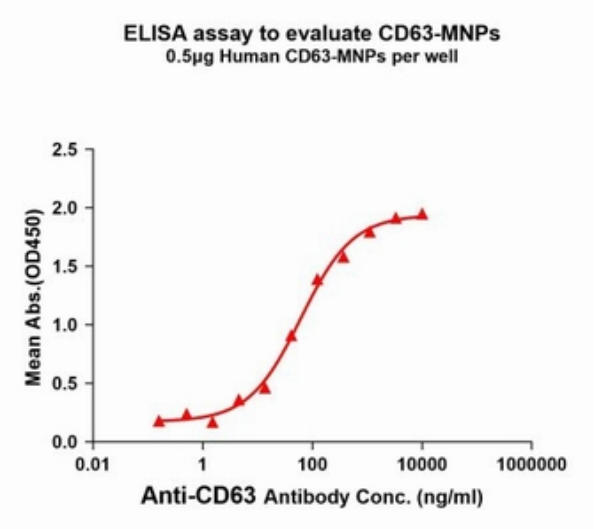

Figure1. Elisa plates were pre-coated with 0.5 μg/per well purified human CD63 full length membrane nanoparticles. Serial diluted CD63 monoclonal antibody (28219) solutions were added, washed, and incubated with secondary antibody before Elisa reading. From above data, the EC50 for CD63 monoclonal antibody binding with CD63 full length membrane nanoparticles is 61.65ng/ml.

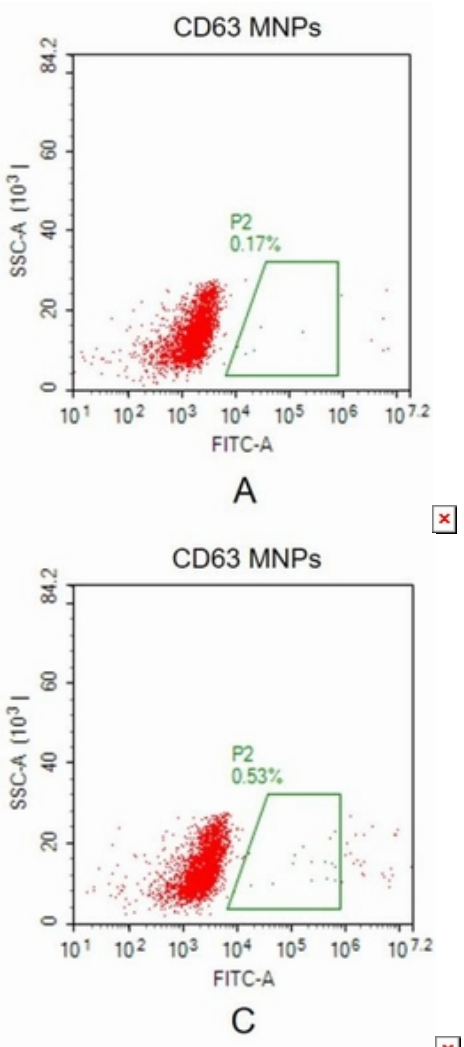

Figure2. FACS analysis of CD63 MNPs A. Negative Control 1: CD63 full length membrane nanoparticles samples were stained only with Goat human IgG 488 secondary antibody. B. Negative Control 2: Control membrane nanoparticles samples were stained with CD63 antibody (28219) at 2μg/ml, followed by Goat human IgG 488 secondary antibody. C. Negative Control 3: CD63 full length membrane nanoparticles samples were stained with GPRC5D antibody (an irrelevant antibody) at 2μg/ml, followed by Goat human IgG 488 secondary antibody. D. CD63 full length membrane nanoparticles samples were stained with CD63 antibody (28219) at 2μg/ml, followed by Goat human IgG 488 secondary antibody.