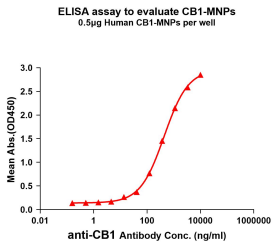
Synthetic Membrane Nanoparticle Human Cannabinoid Receptor I Protein (A318488)

Specifications:

Name:	Synthetic Membrane Nanoparticle Human Cannabinoid Receptor I Protein
Description:	Full-length transmembrane human Cannabinoid Receptor I protein expressed on the cell surface of membrane nanoparticles.
Applications:	ELISA, FACS
Expression System:	HEK293 cells
Nature:	Synthetic
Protein Species:	Human
Protein Length:	Full length protein.
Molecular Weight:	Full length human Cannabinoid Receptor I protein has a MW of 52.7 kDa.
Conjugate:	Unconjugated
Product Form:	Lyophilized
Concentration:	Reconstitution dependent.
Formulation:	Lyophilized from sterile Phosphate Buffered Saline, pH 7.4. Normally 5%-8% Trehalose is added as a protectant before lyophilization.
Storage:	Shipped at 4°C. Lyophilized: Store at -20°C to -80°C. Reconstituted: Aliquot and store at -80°C. Product is stable for one year. Avoid freeze/thaw cycles.
Disclaimer:	This product is for research use only. It is not intended for diagnostic or therapeutic use.

Images:



ELISA plates were pre-coated with 0.5 µg/per well Synthetic Membrane Nanoparticle Human Cannabinoid Receptor I Protein (A318488). Serial diluted Anti-Cannabinoid Receptor I Antibody [DM144] - Azide free (A318564) solutions were added, washed, and incubated with secondary antibody before ELISA reading. From above data, the EC50 for Anti-Cannabinoid Receptor I Antibody [DM144] - Azide free (A318564) binding with CB1 full length membrane nanoparticles is 439.6 µg/ml.

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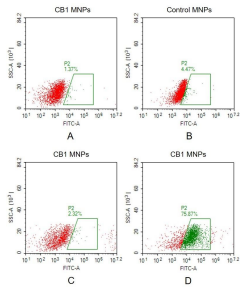
Images continued:



FACS analysis of Synthetic Membrane Nanoparticle Human Cannabinoid Receptor I Protein (A318488): A. Negative Control 1: Synthetic Membrane Nanoparticle Human Cannabinoid Receptor I Protein (A318488) samples were stained only with Goat Anti-Human IgG Antibody (Alexa Fluor 488). B. Negative Control 2: Control membrane nanoparticles samples were stained with Anti-Cannabinoid Receptor I Humanized Antibody [Nimacimab Biosimilar] - Azide free (A318908) at 2 µg/ml, followed by Goat Anti-Human IgG Antibody (Alexa Fluor 488). C. Negative Control 3: Synthetic Membrane Nanoparticle Human Cannabinoid Receptor I Protein (A318488) samples were stained with Anti-CCR8 Antibody (an irrelevant antibody) at 2 µg/ml, followed by Goat Anti-Human IgG Antibody (Alexa Fluor 488). D. Synthetic Membrane Nanoparticle Human Cannabinoid Receptor I Protein (A318488) samples were stained with Anti-Cannabinoid Receptor I Humanized Antibody [Nimacimab Biosimilar] - Azide free (A318908) at 2 µg/ml, followed by Goat Anti-Human IgG Antibody (Alexa Fluor 488).