

Biotinylated Human Kv1.3 Nanodisc

Cat. No. KV1-HM10NB

Description

Source	Recombinant Biotinylated Human Kv1.3 Nanodisc is expressed from HEK293 with His tag at the C-terminus. It contains Met1-Val575.
Accession	P22001-1
Molecular Weight	The protein has a predicted MW of 76.79 kDa.
Endotoxin	Less than 1 EU per µg by the LAL method.

Formulation and Storage

Formulation	Supplied as 0.22 µm filtered solution in PBS, 200mM L-arginine (pH 7.4). Notice: Not recommended for flow cytometry in mammalian cells.
Storage	Valid for 6 months from date of receipt when stored at -80°C. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

Background

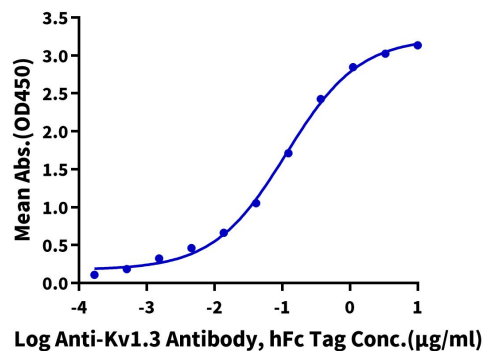
Kv1.3 is a voltage gated potassium channel located in the plasma membrane, as well as at intracellular levels, such as mitochondria (mitoKv1.3), nucleus and Golgi apparatus. The plasma membrane channel has been shown to be important for cell proliferation, while the mitochondrial counterpart has been related to modulation of cell death. Moreover, altered expression of Kv1.3 was observed in various tumors and Kv1.3 seems to be involved in development and progression of various cancerous forms.

Assay Data

ELISA Data

Biotinylated Human Kv1.3 Nanodisc, His Tag ELISA

0.5µg Biotinylated Human Kv1.3 Nanodisc, His Tag Per Well



Immobilized Biotinylated Human Kv1.3 Nanodisc, His Tag at 5µg/ml (100µl/well) on the streptavidin precoated plate (5µg/ml). Dose response curve for Anti-Kv1.3 Antibody, hFc Tag with the EC50 of 0.11µg/ml determined by ELISA.