

Biotinylated Human SLC34A2/NaPi3b Nanodisc

Cat. No. SLC-HM1ANB

Description

Source	Recombinant Biotinylated Human SLC34A2/NaPi3b Nanodisc is expressed from HEK293 with His tag at the C-terminus. It contains Met1-Leu690.
Accession	O95436-1
Molecular Weight	The protein has a predicted MW of 88.6 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

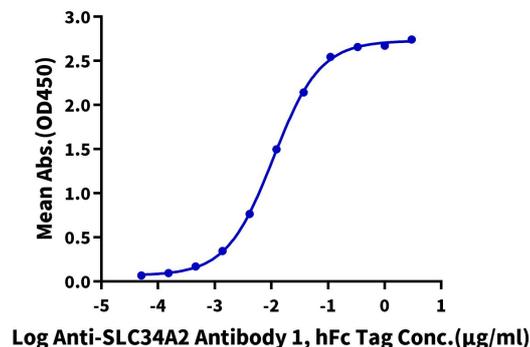
SLC34A2, a member of the SLC34 family, is a multipass membrane protein and encodes a type 2b sodium-dependent phosphate transporter, NaPiIIb. It is known that SLC34A2 can mediate transporting inorganic phosphate into epithelial cells via sodium ion cotransport. SLC34A2 also strongly inhibited tumor growth and metastasis ability in an A549 subcutaneous tumor model and lung metastasis mode.

Assay Data

ELISA Data

Biotinylated Human SLC34A2 Nanodisc, His Tag ELISA

0.2µg Biotinylated Human SLC34A2 Nanodisc, His Tag Per Well

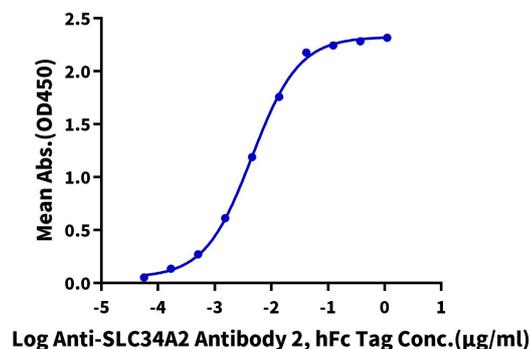


Immobilized Biotinylated Human SLC34A2 Nanodisc, His Tag at 2µg/ml (100µl/well) on the streptavidin precoated plate (5µg/ml). Dose response curve for Anti-SLC34A2 Antibody 1, hFc Tag with the EC50 of 10.8ng/ml determined by ELISA.

ELISA Data

Biotinylated Human SLC34A2 Nanodisc, His Tag ELISA

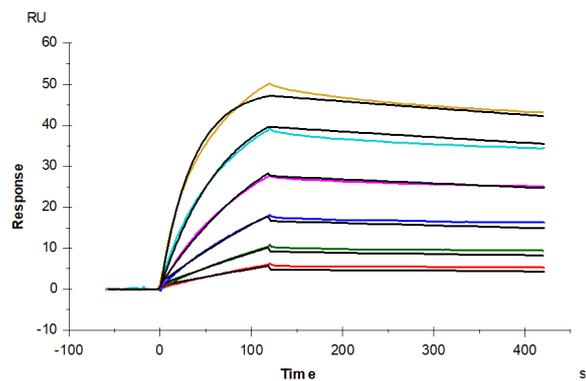
0.2µg Biotinylated Human SLC34A2 Nanodisc, His Tag Per Well



Immobilized Biotinylated Human SLC34A2 Nanodisc, His Tag at 2µg/ml (100µl/well) on the streptavidin precoated plate (5µg/ml). Dose response curve for Anti-SLC34A2 Antibody 2, hFc Tag with the EC50 of 4.5ng/ml determined by ELISA.

Assay Data

SPR Data



Biotinylated Human SLC34A2 Nanodisc, His Tag captured on CM5 Chip via Streptavidin can bind Anti-SLC34A2 Antibody, hFc Tag with an affinity constant of 2.64 nM as determined in SPR assay (Biacore T200).