

PRODUCT INFORMATION

Tag	C-Flag&Strep Tag
Target	SLC4A3
Synonyms	AE3; CAE3/BAE3; SLC2C
Description	Human SLC4A3-Strep full length protein-synthetic nanodisc
Delivery	In Stock
Uniprot ID	P48751
Expression Host	HEK293
Protein Families	Transmembrane
Protein Pathways	N/A
Molecular Weight	The human full length SLC4A3-Strep protein has a MW of 135.8 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. Please see Certificate of Analysis for specific instructions. Do not use solvents with a pH below 6.5 or those containing high concentrations of divalent metal ions (greater than 5 mM) in subsequent experiments.
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.
Background	The protein is a plasma membrane anion exchange protein. The encoded protein has been found in brain, heart, kidney, small intestine, and lung.
Usage	Research use only
Conjugate	Unconjugated



**ELISA assay to evaluate SLC4A3-Strep-Nanodisc**  
0.2µg Human SLC4A3-Strep-Nanodisc per well

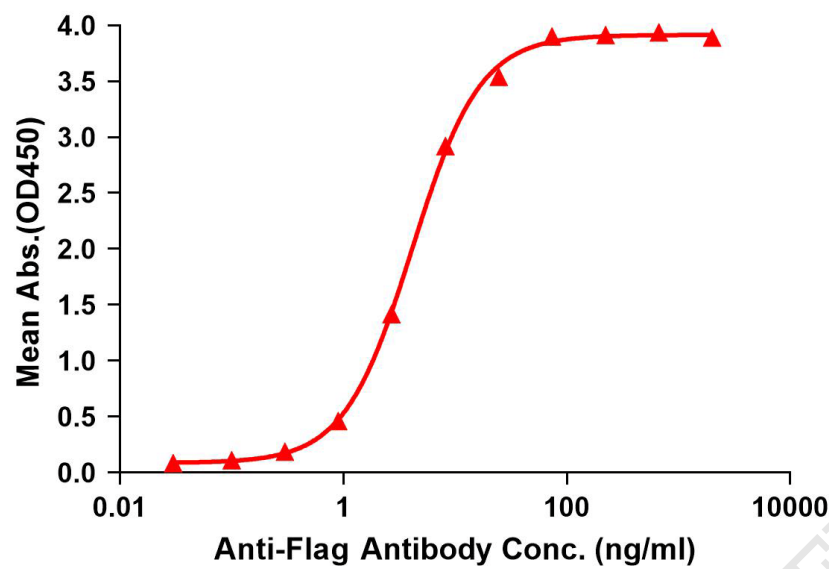


Figure 1. Elisa plates were pre-coated with C-Flag&Strep Tag SLC4A3-Strep-Nanodisc (0.2µg/per well). Serial diluted anti-Flag monoclonal antibody solutions were added, washed, and incubated with secondary antibody before Elisa reading. From above data, the EC50 for anti-Flag monoclonal antibody binding with SLC4A3-Strep-nanodisc is 4.136ng/ml.

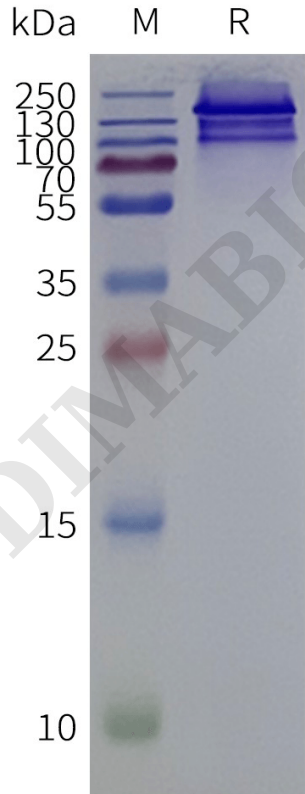


Figure 2. Human SLC4A3-Strep-Nanodisc, C-Flag&Strep Tag on SDS-PAGE

