

PRODUCT INFORMATION

Tag	C-Flag&Strep Tag
Expression Host	HEK293
Target	SLC4A3
Synonyms	A930038D23Rik; Ae3
Description	Mouse Slc4a3-Strep full length protein-synthetic nanodisc
Uniprot ID	P16283
Protein Families	N/A
Protein Pathways	N/A
Molecular Weight	The mouse full length Slc4a3-Strep protein has a MW of 135.4 kDa
Delivery	In Stock
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.
Sterility	Products are supplied non-sterile. For cell culture applications, dilute in appropriate medium and sterile-filter (0.22 µm) prior to use.
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	Sodium-independent anion exchanger which mediates the electroneutral exchange of chloride for bicarbonate ions across the cell membrane. May be involved in the regulation of intracellular pH, and the modulation of cardiac action potential.
Usage	Research use only
Conjugate	Unconjugated



ELISA assay to evaluate Slc4a3-Strep-Nanodisc
0.2µg Mouse Slc4a3-Strep-Nanodisc per well

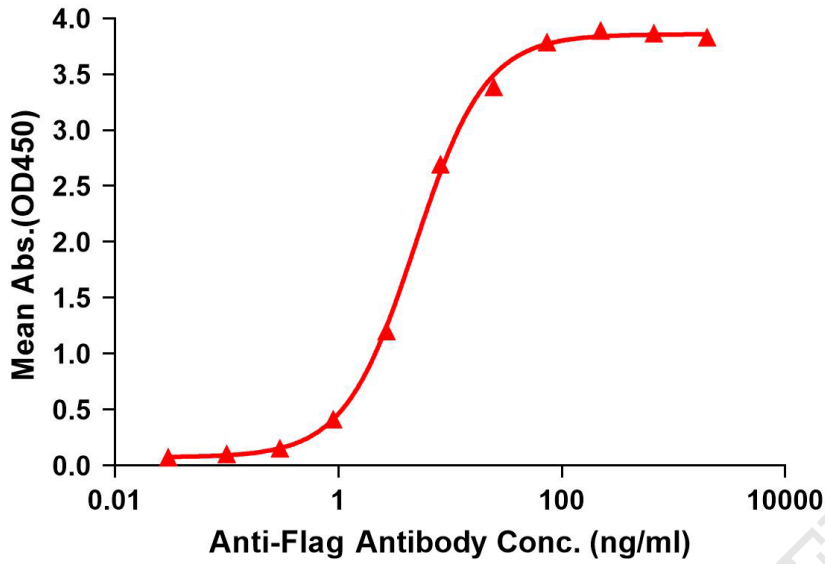


Figure 1. Elisa plates were pre-coated with C-Flag&Strep Tag Slc4a3-Strep-Nanodisc (0.2µg/per well). Serial diluted anti-Flag monoclonal antibody solutions were added, washed, and incubated with secondary antibody before Elisa reading. From above data, the EC50 for anti-Flag monoclonal antibody binding with Slc4a3-Strep-nanodisc is 4.856ng/ml.

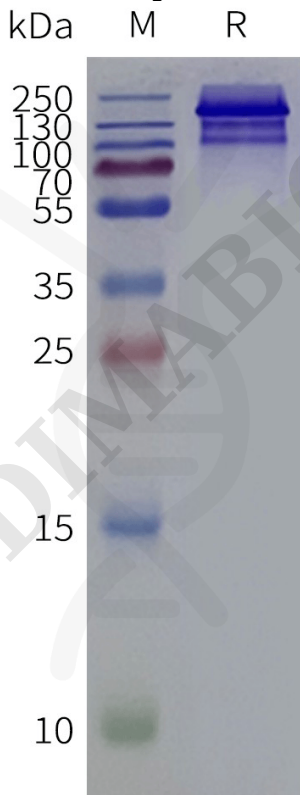


Figure 2. Mouse Slc4a3-Strep-Nanodisc, C-Flag&Strep Tag on SDS-PAGE

