

## Biotinylated Human SLC15A4 Nanodisc

Cat. No. SLC-HM15NB



### Description

|                  |                                                                                                                                   |
|------------------|-----------------------------------------------------------------------------------------------------------------------------------|
| Source           | Recombinant Biotinylated Human SLC15A4 Nanodisc is expressed from HEK293 with His tag at the C-terminus. It contains Met1-Ala577. |
| Accession        | Q8N697                                                                                                                            |
| Molecular Weight | The protein has a predicted MW of 75.0 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

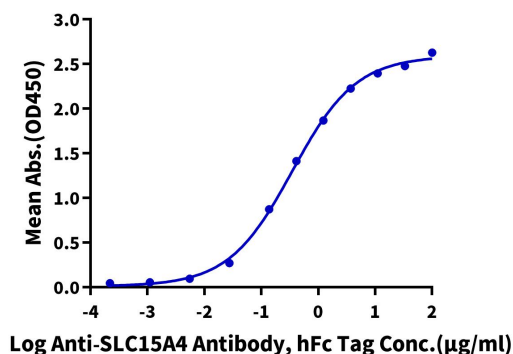
SLC15A4 is a member of the SLC15 family of solute carriers, which is an endolysosome-resident amino acid transporter in immune cells that mediates the transport of L-histidine, small peptides, and NOD1/NOD2 ligands. SLC15A4 plays a critical role in TLR7/8/9-induced immune responses through assembling a complex with the downstream adaptor TASL in a conformation-dependent manner. SLC15A4 represents a promising therapeutic target for the treatment of infections, tumors, and autoimmune diseases.

### Assay Data

#### ELISA Data

##### Biotinylated Human SLC15A4 Nanodisc, His Tag ELISA

0.5µg Biotinylated Human SLC15A4 Nanodisc, His Tag Per Well



Immobilized Biotinylated Human SLC15A4 Nanodisc, His Tag at 5µg/ml (100µl/well) on the streptavidin precoated plate (5µg/ml). Dose response curve for Anti SLC15A4 Antibody, hFc Tag with the EC50 of 0.35µg/ml determined by ELISA.