

PRODUCT INFORMATION

Tag	C-Flag Tag
Target	AQP5
Synonyms	AQP-5; PPKB
Description	Human AQP5 full length protein-PeptiNanodisc
Delivery	In Stock
Uniprot ID	P55064
Expression Host	HEK293
Protein Families	Druggable Genome, Transmembrane
Protein Pathways	N/A
Molecular Weight	The human full length AQP5 protein has a MW of 28.3 kDa 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. Lyophilized from PBS. Normally 5% - 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis for specific instructions. 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.
Formulation & Reconstitution	Aquaporin 5 (AQP5) is a water channel protein. Aquaporins are a family of small integral membrane proteins related to the major intrinsic protein (MIP or AQP0). Aquaporin 5 plays a role in the generation of saliva, tears and pulmonary secretions. AQP0, AQP2, AQP5, and AQP6 are closely related and all map to 12q13.
Storage&Shipping	Research use only
Background	Unconjugated
Usage	Research use only
Conjugate	Unconjugated



ELISA assay to evaluate AQP5-PeptiNanodisc
0.2 μ g Human AQP5-PeptiNanodisc per well

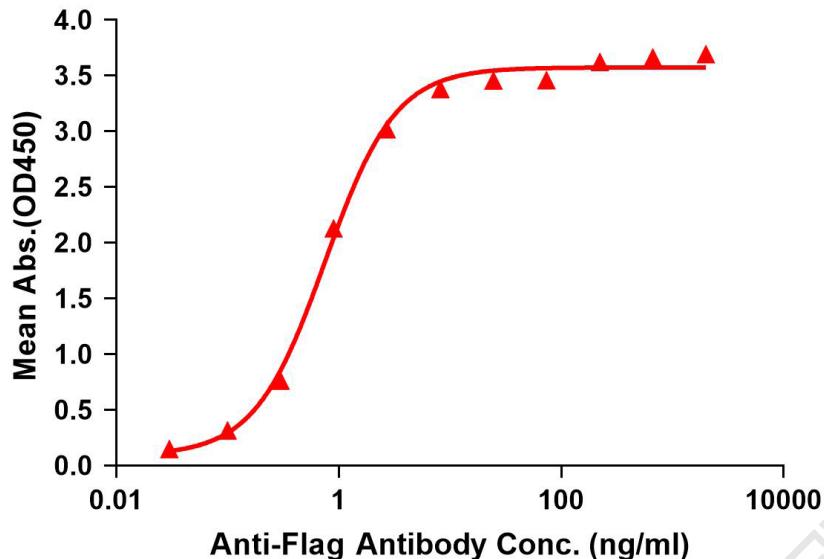


Figure 1. Elisa plates were pre-coated with C-Flag Tag AQP5-peptiNanodisc (0.2 μ g/per well). Serial diluted anti-Flag monoclonal antibody solutions were added, washed, and incubated with secondary antibody before Elisa reading. From above data, the EC50 for anti-Flag monoclonal antibody binding with AQP5-peptiNanodisc is 0.756ng/ml.

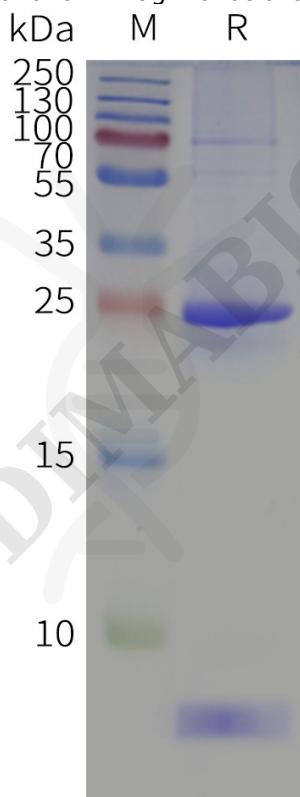


Figure 2. Human AQP5-PeptiNanodisc, Flag Tag on SDS-PAGE

