PRODUCT INFORMATION

Target	AQP5
Synonyms	AQP-5; PPKB
Description	Human AQP5 full length protein-MNP
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
Formulation & Reconstitution	Lyophilized from PBS. Normally 5% – 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis for specific instructions.
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	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.
Usage	Research use only
Conjugate	Unconjugated

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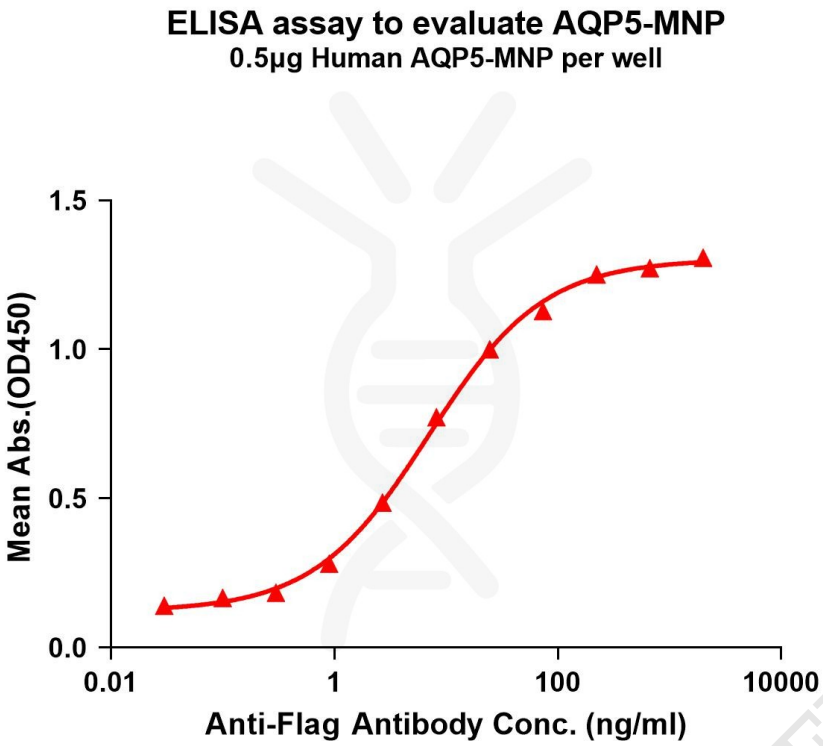


Figure1. Elisa plates were pre-coated with 0.5μg/per well purified human AQP5 full length membrane nanoparticles. Serial diluted anti-Flag monoclonal antibody solutions were added, washed, and incubated with secondary antibody before Elisa reading. From above data, the EC50 for anti-Flag monoclonal antibody binding with AQP5 full length membrane nanoparticles is 7.009ng/ml.

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