

PRODUCT INFORMATION

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AQP5 AQP-5; PPKB

Human AQP5 full length protein-synthetic nanodisc

In Stock Delivery Uniprot ID P55064 HEK293 **Expression Host**

Protein Families Druggable Genome, Transmembrane

Protein Pathways

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 of reconstitution. Formulation & Reconstitution Storage & Shipping

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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). Upophilized proteins are shipped at ambient temperature.

Aquaponin 5 (AQP5) is a water channel protein. Aquaponins are a family of small integral membrane proteins related to the major intrinsic protein (MIP or AQP0). Aquaponin 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.

arch use only Usage Conjugate Unconjugated

ELISA assay to evaluate AQP5-Nanodisc 0.2µg Human AQP5-Nanodisc per well

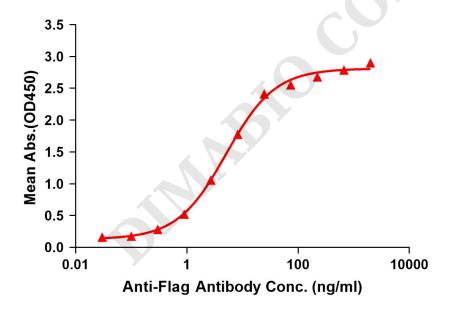


Figure 1. Elisa plates were pre-coated with Flag Tag AQP5-Nanodisc ($0.2\mu g/per$ well). Serial diluted anti-Flag monoclonal antibody solutions were added, washed, and incubated with secondary antibody before Elisa reading. From above data, the EC50 for anti-Flag monoclonal antibody binding with AQP5-Nanodisc is 5.102 ng/ml.

Email: info@dimabio.com Website: www.dimabio.com







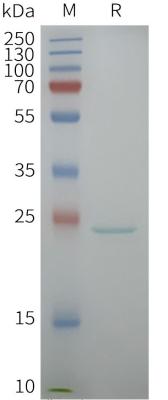


Figure 2. Human AQP5-Nanodisc, Flag Tag on SDS-PAGE



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