

Human PC2/Polycystin-2 Nanodisc



Cat. No. PC2-HM10N

Description	
Source	Recombinant Human PC2/Polycystin-2 Nanodisc is expressed from HEK293 with His tag at the C-terminus. It contains Met1-Val968.
Accession	Q13563-1
Molecular Weight	The protein has a predicted MW of 111.6 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 (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.

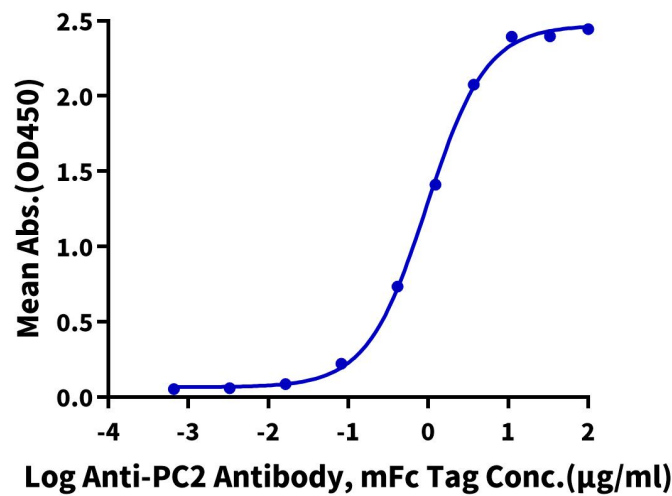
Background	
Polycystin-2 (PC2) is a calcium channel that can be found in the endoplasmic reticulum, the plasmatic membrane, and the primary cilium. Functions include receptor-operated, nonselective cation channel activity in the plasma membrane, intracellular Ca2+ release channel activity in the endoplasmic reticulum (ER), and mechanosensitive channel activity in the primary cilium of renal epithelial cells.	

Assay Data

ELISA Data

Human PC2 Nanodisc, His Tag ELISA

1µg Human PC2 Nanodisc, His Tag Per Well



Immobilized Human PC2 Nanodisc, His Tag at 10µg/ml (100µl/well) on the plate. Dose response curve for Anti-PC2 Antibody, mFc Tag with the EC50 of 0.96µg/ml determined by ELISA (QC Test).