

Product datasheet for **SM1810P**

Aquaporin 1 (AQP1) Mouse Monoclonal Antibody [Clone ID: 7D11]

Product data:

Product Type:	Primary Antibodies
Clone Name:	7D11
Applications:	ELISA, IHC, IP, WB
Recommended Dilution:	ELISA: 1/1000-1/10000. Immunoprecipitation: 1/1000-1/10000. Western Blot: 1/1000-1/2000. Immunohistochemistry on Frozen and Paraffin Sections.
Reactivity:	Human, Mouse, Rat
Host:	Mouse
Isotype:	IgG2b
Clonality:	Monoclonal
Immunogen:	Synthetic peptide corresponding to amino acids 198-208 of Rat Aquaporin 1. Spleen cells from immunised Balb/c mice were fused with the cells of Sp-2/0 Ag14 mouse myeloma cell line.
Specificity:	This antibody recognises an epitope within an extracellular region of the water-specific channel aquaporin 1 (also known as AQP1 or CHIP-28)
Formulation:	State: Purified State: Liquid purified Ig fraction containing 0.09% Sodium Azide and 1% BSA
Concentration:	lot specific
Purification:	Affinity Chromatography on Protein G
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	aquaporin 1 (Colton blood group)
Database Link:	Entrez Gene 358 Human P29972



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Background: Aquaporin 1 is a 28kD integral membrane protein which was originally identified in red blood cells and renal proximal tubules. AQP1 is also expressed by the choroid plexus and various other tissues. The glycosylated forms of AQP1 range between 40-60kD in mass.

Synonyms: AQP-1, CHIP28, Aquaporin-CHIP