

## Product datasheet for **AM01187PU-N**

### SLC9A1 Mouse Monoclonal Antibody [Clone ID: 4E9]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	4E9
Applications:	WB
Recommended Dilution:	<b>Western Blot</b> (1/500): Detects a band of approximately 100 kDa in Human kidney lysates. Not Suitable for Immunohistochemistry (Paraffin/Frozen) and Immunoprecipitation.
Reactivity:	Mammalian, Porcine
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Maltose Binding Protein fusion protein containing the entire C-terminal hydrophilic domain of Porcine NHE1.
Specificity:	This antibody is specific for the Na <sup>+</sup> /H <sup>+</sup> exchanger-1 (NHE1) a membrane protein involved in pH regulation and signal transduction.
Formulation:	PBS containing 0.09% Sodium Azide as preservative. State: Purified State: Liquid purified Ig fraction.
Concentration:	lot specific
Purification:	Affinity Chromatography on Protein A.
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.
Database Link:	<a href="#">Entrez Gene 397458 Pig P48762</a>
Background:	Sodium / Hydrogen Exchanger 1 is involved in pH regulation to eliminate acids generated by active metabolism or to counter adverse environmental conditions. It is a major proton extruding system driven by the inward sodium ion chemical gradient. It also plays an important role in signal transduction.



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**Synonyms:** Sodium/hydrogen exchanger 1, APNH, APNH1