

## Mouse Nav1.7 ELISA Kit | Nav1.7 elisa kit

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CATALOG #  
**AAA96076**

REACTIVITY  
**Mouse**

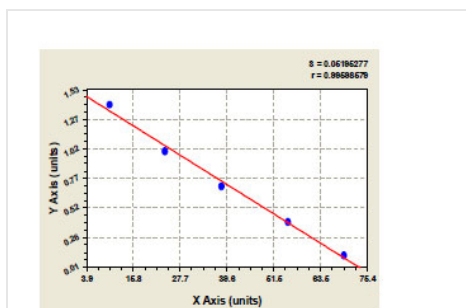
### PRODUCT SYNONYMS

Nav1.7; Mouse Nav1.7 ELISA Kit; Nav1.7 elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                            |
|-------------------------|----------------------------------------------------------------------------|
| Reactivity              | Mouse                                                                      |
| Samples                 | Serum, plasma, cell culture supernatants, body fluid and tissue homogenate |
| Assay Type              | Quantitative Competitive                                                   |
| Sensitivity             | 0.1 ng/mL.                                                                 |
| Preparation and Storage | Store all reagents at 2-8 degree C.                                        |

### IMAGES



Standard Curve (Sample)

### ADDITIONAL INFORMATION

#### Related Product Information for Nav1.7 elisa kit

**Intended Uses:** This NAV1.7 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Mouse NAV1.7. This ELISA kit for research use only!

**Principle of the Assay:** NAV1.7 ELISA kit applies the competitive enzyme immunoassay technique utilizing a Polyclonal anti-NAV1.7 antibody and an NAV1.7-HRP conjugate. The assay sample and buffer are incubated together with NAV1.7-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the NAV1.7 concentration since NAV1.7 from samples and NAV1.7-HRP conjugate compete for the anti-NAV1.7 antibody binding site. Since the number of sites is limited, as more sites are occupied by NAV1.7 from the sample, fewer sites are left to bind NAV1.7-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The NAV1.7 concentration in each sample is interpolated from this standard curve.

### NCBI AND UNIPROT INFORMATION

NCBI GI #

18073671

|                            |                                                                        |
|----------------------------|------------------------------------------------------------------------|
| UniProt Accession #        | Q15858; Q6B4R9; Q6B4S0; Q6B4S1; Q70HX1; Q70HX2; Q8WTU1; Q8WWN4; A1BUH5 |
| Molecular Weight           | 225,227 Da                                                             |
| NCBI Official Full Name    | Nav1.7, partial                                                        |
| UniProt Protein Name       | Sodium channel protein type 9 subunit alpha                            |
| UniProt Gene Name          | SCN9A                                                                  |
| UniProt Synonym Gene Names | NENA; hNE-Na; PN1                                                      |
| UniProt Entry Name         | SCN9A_HUMAN                                                            |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | [contact@aaabiotech.com](mailto:contact@aaabiotech.com)  
Online datasheet: <https://stage.aaabiotech.com/mouse-elisa-kits/nav1-7/96076>