

Human Nav1.7 ELISA Kit | Nav1.7 elisa kit

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CATALOG #
AAA95892

REACTIVITY
Human

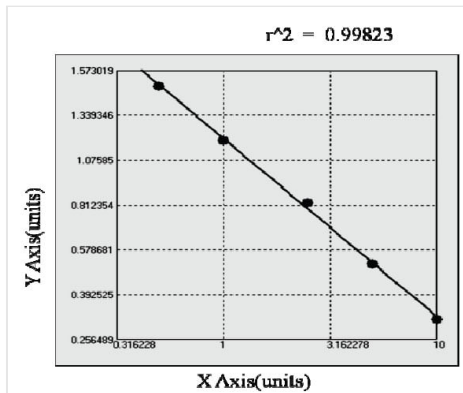
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Human
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	0.5-10ng/mL
Sensitivity	0.1ng/mL
Intended Uses	This Nav1.7 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human Nav1.7. This ELISA kit for research use only, not for therapeutic applications!
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

Principle of the Assay: Nav1.7 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal 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.

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Online datasheet: <https://stage.aaabiotech.com/human-elisa-kits/nav1-7/95892>