

## Product Datasheet

Anti-Navbeta4 Na<sup>+</sup> Channel Antibody FL550 Conjugate

## Overview

<b>Catalog #</b>	75-198-FL550
<b>Conjugate</b>	FL550 Ex: 550 nm, Em: 575 nm
<b>Isotype</b>	IgG1
<b>Clone Number</b>	N168/6
<b>Size</b>	200 µL
<b>Concentration</b>	0.5 mg/mL
<b>Host Species</b>	Mouse Monoclonal
<b>Format</b>	Purified by Protein A chromatography
<b>Buffer</b>	PBS with 0.09% azide
<b>Applications</b>	ICC, IHC
<b>Species Reactivity</b>	Mouse and Rat
<b>Immunogen</b>	Fusion protein amino acids 184-228 (cytoplasmic C-terminus) of rat Navbeta4 (accession number Q7M730) produced recombinantly in E. Coli
<b>Molecular Weight</b>	25 kDa
<b>Cite this Antibody</b>	Antibodies Inc Cat# 75-198-FL550, RRID: AB_2939733

## Details

<b>Target Description</b>	Sodium channel subunit beta-4 or Navbeta4 Na <sup>+</sup> channel is encoded by SCN4B. Voltage gated sodium channels are made up of an alpha (pore forming) subunit and 1 or 2 beta subunits. Navβ4 is a transmembrane protein and acts as a regulatory subunit in excitable membranes and modulates the kinetics of channel. Navβ4 is expressed in many tissues, including the brain (dorsal root ganglia), spinal cord, heart, and skeletal muscle. Defects in this gene are a cause of long QT syndrome type 10 and Familial Atrial Fibrillation.
<b>Specificity</b>	No cross-reactivity reported
<b>Purification Method</b>	Produced by in vitro bioreactor culture of hybridoma line followed by Protein A affinity chromatography and conjugation of purified mAb. Purified mAbs are >90% specific antibody.
<b>Quality Control Tests</b>	Each new lot of antibody is quality control tested on cells overexpressing target protein and confirmed to give the expected staining pattern.

**Storage**

Aliquot and store at  $\leq -20^{\circ}\text{C}$  for long term storage. For short term storage, store at  $2-8^{\circ}\text{C}$ . For maximum recovery of product, centrifuge the vial prior to removing the cap.

**Our Guarantee**

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As an original manufacturer, we are dedicated to creating quality and reproducible antibodies that further your research. We provide personalized customer support from the scientists that made the antibody and offer a free replacement or 100% refund if we cannot resolve an issue. Order today and experience our 50+ year passion for science.

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