

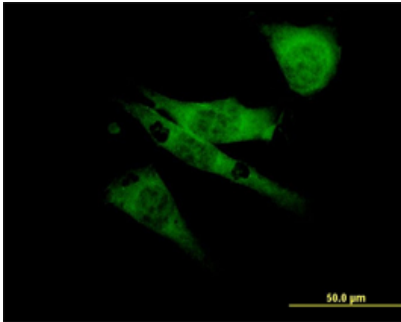
## Mouse monoclonal antibody to human Sodium channel protein type 8 subunit alpha [4G7]: IgG

<b>Catalogue No.:</b>	M-864-100
<b>Description:</b>	Sodium channel protein type 8 subunit alpha mediates the voltage-dependent sodium ion permeability of excitable membranes. Adopting opened or closed conformation in response to the voltage difference across the membrane, the protein forms a sodium-selective channel through which Na ions may pass in accordance with their electrochemical gradient. It is a multi-pass transmembrane protein that is widely expressed in neurons of the central and peripheral nervous system. There are four named isoforms. The sequence contains 4 internal repeats, each with 5 hydrophobic segments (S1, S2, S3, S5, S6) and one positively charged segment, S4. Segments S4 are thought to be the voltage-sensors and are characterised by a series of positively charged amino acids at every third position.
<b>Batch No.:</b>	See product label
<b>Unit size:</b>	100 ug
<b>Antigen:</b>	Partial recombinant human Sodium channel protein type 8 subunit alpha (amino acids 1854-1951) with a GST tag.
<b>Clone:</b>	4G7
<b>Other Names:</b>	Sodium channel protein type VIII subunit alpha; Voltage-gated sodium channel subunit alpha Nav1.6; SCN8A; MED
<b>Accession:</b>	SCN8A_HUMAN
<b>Produced in:</b>	Mouse
<b>Purity:</b>	Protein G purified immunoglobulin
<b>Applications:</b>	This antibody is recommended for WB, immunofluorescence and direct ELISA. The recommended dilution for this antibody is 10 ug/mL for immunofluorescence. Biosensis recommends optimal dilutions/concentrations should be determined by the end user.
<b>Specificity:</b>	Specificity has been confirmed by WB and direct ELISA against the antigen.
<b>Cross-reactivity:</b>	Human, mouse and rat. Other species have not been tested.
<b>Form:</b>	Lyophilised from PBS pH 7.2
<b>Reconstitution:</b>	Reconstitute in 100 uL of sterile water. Centrifuge to remove any insoluble material.
<b>Storage:</b>	After reconstitution keep aliquots at -20C for higher stability or at 2-8C with an appropriate antibacterial agent. Glycerol (1:1) may be added for additional stability. Avoid repetitive freeze/thaw cycles.
<b>Expiry Date:</b>	12 months after purchase

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FOR RESEARCH USE ONLY

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Immunofluorescent detection of Sodium channel protein type 8 subunit alpha expression in mouse NIH/ Swiss embryo cell lysate. The anti-Sodium channel protein type 8 subunit alpha primary antibody, catalogue number M-864-100, was used at a concentration of 10 µg/ml.

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