

## Product Datasheet

## Anti-NGL-2/LRRC4 Antibody FL594 Conjugate



## Overview

|                           |   |
|---------------------------|---|
| <b>Catalog #</b>          | 75-084-FL594  |
| <b>Conjugate</b>          | FL594 Ex: 594 nm, Em: 615 nm  |
| <b>Isotype</b>            | IgG1  |
| <b>Clone Number</b>       | N50/36  |
| <b>Size</b>               | 200 $\mu$ L   |
| <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 550-652 of mouse NGL-2 (accession number AAG60620) produced recombinantly in E. Coli |
| <b>Molecular Weight</b>   | 100 kDa   |
| <b>Cite this Antibody</b> | Antibodies Inc Cat# 75-084-FL594, RRID: AB_2939322  |

## Details

|                              |  |
|------------------------------|--|
| <b>Target Description</b>    | Leucine Rich Repeat Containing 4 is encoded by the gene LRRC4. LRRC4 is a synaptic adhesion protein that regulates the formation of excitatory synapses through the recruitment of pre and postsynaptic proteins. LRRC4 organizes the lamina pathway-specific differentiation of dendrites, and plays an important role in auditory synaptic responses. LRRC4 is expressed in the brain. LRRC4 is significantly downregulated in primary brain tumors. |
| <b>Specificity</b>           | No cross-reactivity against NGL-1 or NGL-3   |
| <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 by western blot on rat whole brain lysate and confirmed to stain the expected molecular weight band.  |
| <b>Storage</b>               | 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.  |

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