

## DESCRIPTION

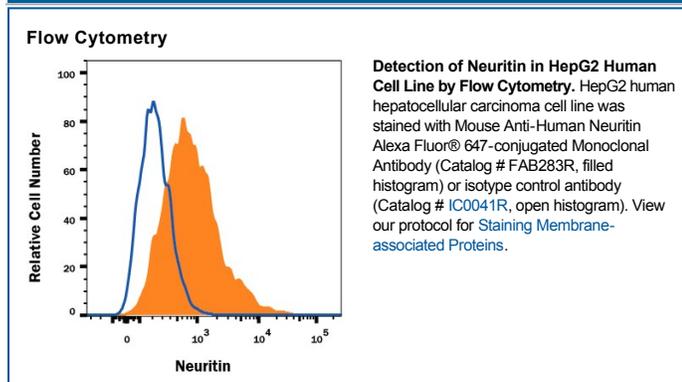
|                           |  |
|---------------------------|--|
| <b>Species Reactivity</b> | Human  |
| <b>Specificity</b>        | Detects human Neuritin in direct ELISAs and Western blots. In Western blots, this antibody does not cross-react with recombinant mouse Neuritin.   |
| <b>Source</b>             | Monoclonal Mouse IgG <sub>2B</sub> Clone # 79537   |
| <b>Purification</b>       | Protein A or G purified from ascites   |
| <b>Immunogen</b>          | <i>S. frugiperda</i> insect ovarian cell line Sf 21-derived recombinant human Neuritin Ala28-Gly114<br>Accession # Q9NPD7  |
| <b>Conjugate</b>          | Alexa Fluor 647<br>Excitation Wavelength: 650 nm<br>Emission Wavelength: 668 nm  |
| <b>Formulation</b>        | Supplied in a saline solution containing BSA and Sodium Azide. See Certificate of Analysis for details.<br><br>*Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions. |

## APPLICATIONS

**Please Note:** Optimal dilutions should be determined by each laboratory for each application. *General Protocols* are available in the *Technical Information* section on our website.

|                       | <b>Recommended Concentration</b> | <b>Sample</b> |
|-----------------------|----------------------------------|---------------|
| <b>Flow Cytometry</b> | 5 µL/10 <sup>6</sup> cells       | See Below     |

## DATA



## PREPARATION AND STORAGE

**Shipping** The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.

**Stability & Storage** **Protect from light. Do not freeze.**

- 12 months from date of receipt, 2 to 8 °C as supplied.

## BACKGROUND

Neuritin (NRN1) is a 14 kDa GPI-linked molecule that is expressed on developing and differentiating neurons, as well as hepatocytes and Schwann cells. Neuritin is upregulated in response to BDNF, NT-3, androgens, and hypoxia, and it promotes neuronal migration, neurite extension, and arborization. Neuritin does contribute to the formation of the ionotropic glutamate receptor APMA. Here, it is a component of the outer core. Mature human Neuritin shares 99% and 100% amino acid sequence identity with mouse and rat Neuritin, respectively.

## PRODUCT SPECIFIC NOTICES

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