

DESCRIPTION

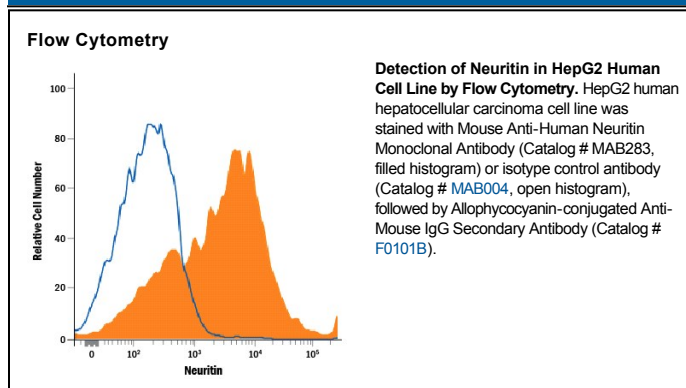
Species Reactivity	Human
Specificity	Detects human Neuritin in direct ELISAs and Western blots. In Western blots, this antibody does not cross-react with recombinant mouse Neuritin.
Source	Monoclonal Mouse IgG _{2B} Clone # 79537
Purification	Protein A or G purified from ascites
Immunogen	<i>S. frugiperda</i> insect ovarian cell line Sf 21-derived recombinant human Neuritin Ala28-Gly114 Accession # Q9NPD7
Formulation	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied as a 0.2 µm filtered solution in PBS.

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.

	Recommended Concentration	Sample
Western Blot	1 µg/mL	Recombinant Human Neuritin. For natural samples, we recommend the use of Goat Anti-Human Neuritin Antigen Affinity-purified Polyclonal Antibody (Catalog # AF283)
Flow Cytometry	0.25 µg/10 ⁶ cells	See Below
CyTOF-ready	Ready to be labeled using established conjugation methods. No BSA or other carrier proteins that could interfere with conjugation.	

DATA



PREPARATION AND STORAGE

Reconstitution	Reconstitute at 0.5 mg/mL in sterile PBS.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below. *Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C
Stability & Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. <ul style="list-style-type: none"> • 12 months from date of receipt, -20 to -70 °C as supplied. • 1 month, 2 to 8 °C under sterile conditions after reconstitution. • 6 months, -20 to -70 °C under sterile conditions after reconstitution.

BACKGROUND

Neuritin is a 14 kDa GPI-linked molecule that is expressed on developing and differentiating neurons as well as on hepatocytes. Neuritin is upregulated in response to BDNF, NT-3, androgens, and hypoxia, and it promotes neurite extension and arborization. Mature human Neuritin shares 99% and 100% aa sequence identity with mouse and rat Neuritin, respectively.