

|                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|--------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product name:</b>     | NEFH Mouse Monoclonal Antibody                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Cat number:</b>       | MABN81185                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Conjugate:</b>        | Unconjugated                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Size:</b>             | 100µL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Clone:</b>            | Monoclonal                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Concentration:</b>    | 1mg/ml                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Host:</b>             | Mouse                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Isotype:</b>          | Mouse IgG1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Immunogen:</b>        | Purified recombinant fragment of human NEFH (AA: 968-1020) expressed in E. Coli.                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Reactivity:</b>       | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Applications:</b>     | IHC 1:200-1:1000,ELISA 1:5000-1:20000                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Molecular Weight:</b> | 112.4kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Purification:</b>     | Affinity Purification                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Form:</b>             | Liquid                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Buffer:</b>           | Purified antibody in PBS with 0.05% sodium azide                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Storage:</b>          | Store at 4°C short term. Aliquot and store at -20°C for 12 months. Avoid freeze/thaw cycles.                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Background:</b>       | Neurofilaments are type IV intermediate filament heteropolymers composed of light, medium, and heavy chains. Neurofilaments comprise the axoskeleton and functionally maintain neuronal caliber. They may also play a role in intracellular transport to axons and dendrites. This gene encodes the heavy neurofilament protein. This protein is commonly used as a biomarker of neuronal damage and susceptibility to amyotrophic lateral sclerosis (ALS) has been associated with mutations in this gene. |