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| <b>Product name:</b>     | NSE (1G7) Mouse Monoclonal Antibody                                                                                                                                                                                                                                                                                       |
| <b>Cat number:</b>       | MABN03683                                                                                                                                                                                                                                                                                                                 |
| <b>Conjugate:</b>        | Unconjugated                                                                                                                                                                                                                                                                                                              |
| <b>Size:</b>             | 100µL                                                                                                                                                                                                                                                                                                                     |
| <b>Clone:</b>            | Monoclonal                                                                                                                                                                                                                                                                                                                |
| <b>Concentration:</b>    | 1mg/ml                                                                                                                                                                                                                                                                                                                    |
| <b>Host:</b>             | Mouse                                                                                                                                                                                                                                                                                                                     |
| <b>Isotype:</b>          | IgG1                                                                                                                                                                                                                                                                                                                      |
| <b>Immunogen:</b>        | Recombinant protein of human NSE                                                                                                                                                                                                                                                                                          |
| <b>Reactivity:</b>       | Human, Mouse, Rat                                                                                                                                                                                                                                                                                                         |
| <b>Applications:</b>     | WB 1:500-1:1000, ELISA 1:5000-1:20000                                                                                                                                                                                                                                                                                     |
| <b>Molecular Weight:</b> | Calculated MW: 47 kDa; Observed MW: 47 kDa                                                                                                                                                                                                                                                                                |
| <b>Purification:</b>     | Affinity Purification                                                                                                                                                                                                                                                                                                     |
| <b>Form:</b>             | Liquid                                                                                                                                                                                                                                                                                                                    |
| <b>Buffer:</b>           | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide, pH 7.3.                                                                                                                                                                                                                                           |
| <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>       | ENO2 an enzyme with 2-phospho-D-glycerate hydro-lyase activity. One of the three enolase isoenzymes found in mammals. This isoenzyme, a homodimer, is found in mature neurons and cells of neuronal origin. A switch from alpha enolase to gamma enolase occurs in neural tissue during development in rats and primates. |