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| <b>Product name:</b>     | GARS Mouse Monoclonal Antibody                                                                                                                                                                                              |
| <b>Cat number:</b>       | MABN86024                                                                                                                                                                                                                   |
| <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>        | This GARS antibody is generated from a mouse immunized with a recombinant protein between 15-305 amino acids from human GARS.                                                                                               |
| <b>Reactivity:</b>       | Human, Mouse, Rat                                                                                                                                                                                                           |
| <b>Applications:</b>     | WB 1:1000-1:2000, ICC 1:25-1:50                                                                                                                                                                                             |
| <b>Molecular Weight:</b> | 83.2kDa                                                                                                                                                                                                                     |
| <b>Purification:</b>     | Affinity Purification                                                                                                                                                                                                       |
| <b>Form:</b>             | Liquid                                                                                                                                                                                                                      |
| <b>Buffer:</b>           | Purified antibody in TBS 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>       | Catalyzes the attachment of glycine to tRNA(Gly). Is also able produce diadenosine tetraphosphate (Ap4A), a universal pleiotropic signaling molecule needed for cell regulation pathways, by direct condensation of 2 ATPs. |