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| <b>Product name:</b>     | IRAK4 Mouse Monoclonal Antibody                                                                                                                                                                                                                                                                                                                                                          |
| <b>Cat number:</b>       | MABN81021                                                                                                                                                                                                                                                                                                                                                                                |
| <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 IRAK4 expressed in E. Coli.                                                                                                                                                                                                                                                                                                                       |
| <b>Reactivity:</b>       | Human, Mouse, Rat, , Monkey                                                                                                                                                                                                                                                                                                                                                              |
| <b>Applications:</b>     | WB 1:500-1:2000, IHC 1:200-1:1000, ELISA 1:5000-1:20000, FC 1:200-1:400                                                                                                                                                                                                                                                                                                                  |
| <b>Molecular Weight:</b> | 52kDa                                                                                                                                                                                                                                                                                                                                                                                    |
| <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>       | This gene encodes a kinase that activates NF-kappaB in both the Toll-like receptor (TLR) and T-cell receptor (TCR) signaling pathways. The protein is essential for most innate immune responses. Mutations in this gene result in IRAK4 deficiency and recurrent invasive pneumococcal disease. Multiple transcript variants encoding different isoforms have been found for this gene. |