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| <b>Product name:</b>  | Myoglobin Mouse Monoclonal Antibody                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Cat number:</b>    | MABN80561                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <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 Myoglobin expressed in E. Coli.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Reactivity:</b>    | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Applications:</b>  | IHC 1:200-1:1000,ELISA 1:5000-1:20000                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <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>    | <p>Myoglobin (MB), with 154-amino acid protein (about 17kDa), is a member of the globin superfamily and expression of myoglobin is highest in skeletal and cardiac muscle. Functionally, myoglobin is well accepted as an O<sub>2</sub>-storage protein in muscle, capable of releasing O<sub>2</sub> during periods of hypoxia or anoxia. Myoglobin is also thought to buffer intracellular O<sub>2</sub> concentration when muscle activity increases and to facilitate intracellular O<sub>2</sub> diffusion by providing a parallel path that augments simple diffusion of dissolved O<sub>2</sub>. Furthermore, myoglobin is used together with cTnI or cTnT in clinical practise for better specificity in AMI diagnosis.</p> |