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| <b>Product name:</b>     | eNOS (2E8) Mouse Monoclonal Antibody  |
| <b>Cat number:</b>       | MABN03877   |
| <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>        | A synthetic peptide corresponding to target protein   |
| <b>Reactivity:</b>       | Human,Mouse,Rat   |
| <b>Applications:</b>     | WB 1:500-1:1000   |
| <b>Molecular Weight:</b> | Calculated MW: 133 kDa; Observed MW: 133 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>       | Produces nitric oxide (NO) which is implicated in vascular smooth muscle relaxation through a cGMP-mediated signal transduction pathway. NO mediates vascular endothelial growth factor (VEGF)-induced angiogenesis in coronary vessels and promotes blood clotting through the activation of platelets.Isoform eNOS13C: Lacks eNOS activity, dominant-negative form that may down-regulate eNOS activity by forming heterodimers with isoform 1. |