Product Data Sheet  
**mCherry Polyclonal Antibody**  
Catalog Number: ORF.MCHERPAB-50

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| **Product Details** | |
| **Product Name** | mCherry Polyclonal Antibody |
| **Catalog Number** | ORF.MCHERPAB-50 |
| **Size** | 50 μL |
| **Concentration** | 1 mg/mL |
| **Clonality** | Polyclonal |
| **Source** | Rabbit |
| **Isotype** | IgG |
| **Purification** | Antigen affinity purification |

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| **Product Description** | | **Product Image** |
| mCherry is a monomeric red fluorescent protein widely used in biotechnology and cell biology as a tracer, reporter, and molecular tag. When fused to proteins or cellular components, it enables visualization of expression, localization, and dynamics in live or fixed samples.  mCherry absorbs light at 587 nm and emits at 610 nm, producing bright red fluorescence. It is highly resistant to photobleaching, structurally stable, and exhibits rapid maturation (t₀.₅ ≈ 15 minutes), allowing detection shortly after protein translation. These properties make mCherry a reliable marker for real-time imaging and long-term fluorescence studies.  This polyclonal antibody specifically recognizes the mCherry epitope and is optimized for Western blotting, providing sensitive and specific detection of mCherry-tagged proteins in research applications. | |  |
| **Product Specifications and Product Specific Information** | | |
| **Applications** | WB: 1:2000 – 1:20000 | |
| **Reactivity** | ALL | |
| **Specificity** | Recognizes mCherry fluorescent protein | |
| **Immunogen** | Recombinant mCherry fluorescent protein | |
| **Description** | mCherry is a second generation monomeric red fluorescent protein that has improved brightness and photostability. | |
| **Uniprot** | X5DSL3 | |
| **BiowMW** | ~ 28 kDa | |
| **Buffer** | PBS, 50% glycerol, 1 mg/mL BSA, 1% Procolin300 | |

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| **Storage and Stability** | | |
|  | **Temperature** | **Storage Time** |
| **Short Term** | 4°C | 1 month |
| **Long Term** | -20°C | 12 months |
| **Avoid repeated freeze-thaw cycles.** | | |

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| **Product Data** |
| mCherry Polyclonal Antibody at 1:10000 dilution  Line a: Recombinant mCherry protein at 100ng  Line b: Recombinant mCherry protein at 10 ng  Line c: Recombinant mCherry protein at 1 ng |