



Product Data Sheet

**mCherry Polyclonal Antibody**

Catalog Number: ORF.MCHERPAB-50

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

Product Description	Product Image
<p>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.</p> <p>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 (<math>t_{0.5} \approx 15</math> minutes), allowing detection shortly after protein translation. These properties make mCherry a reliable marker for real-time imaging and long-term fluorescence studies.</p> <p>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.</p>	

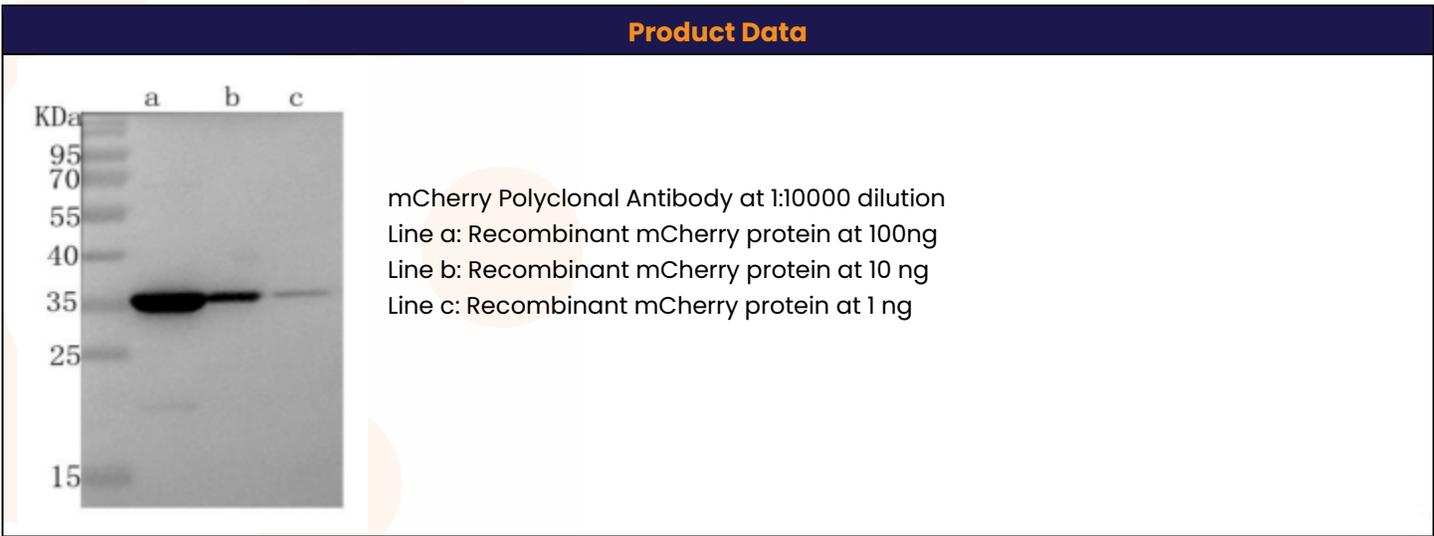
Product Specifications and Product Specific Information	
<b>Applications</b>	WB: 1:2000 – 1:20000
<b>Reactivity</b>	ALL
<b>Specificity</b>	Recognizes mCherry fluorescent protein

*For research applications only. Not for diagnostic or therapeutic use.*



<b>Immunogen</b>	Recombinant mCherry fluorescent protein
<b>Description</b>	mCherry is a second generation monomeric red fluorescent protein that has improved brightness and photostability.
<b>Uniprot</b>	X5DSL3
<b>BiowMW</b>	~ 28 kDa
<b>Buffer</b>	PBS, 50% glycerol, 1 mg/mL BSA, 1% Procolin300

<b>Storage and Stability</b>		
	<b>Temperature</b>	<b>Storage Time</b>
<b>Short Term</b>	4°C	1 month
<b>Long Term</b>	-20°C	12 months
<b>Avoid repeated freeze-thaw cycles.</b>		



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