

Datasheet: PIP001

BATCH NUMBER 161212

Description:	RECOMBINANT PLASMODIUM FALCIPARUM HRP2
Name:	PLASMODIUM FALCIPARUM HRP2
Other names:	HISTIDINE RICH PROTEIN-2
Format:	Rec. Protein
Product Type:	Recombinant Protein
Quantity:	0.1 mg

Product Details

Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit www.bio-rad-antibodies.com/protocols.

	Yes	No	Not Determined	Suggested Dilution
ELISA	▪			
Functional Assays			▪	

Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own system using appropriate negative/positive controls.

Product Form	Purified recombinant protein - liquid
Preparation	Recombinant <i>Plasmodium falciparum</i> HRP2 expressed in <i>Escherichia coli</i> .
Buffer Solution	Sodium carbonate buffer, pH9.6
Preservative Stabilisers	0.09% Sodium Azide (NaN ₃)
Approx. Protein Concentrations	Total protein concentration 1.0 mg/ml
External Database Links	UniProt: P90582 Related reagents

Product Information This product is recombinant *Plasmodium falciparum* histidine rich protein-2, a member of the histidine rich protein family found in the malaria parasite. Histidine rich protein-2 is

secreted by *Plasmodium falciparum* into the host erythrocyte cytosol and is expressed on the cell membrane or associated with the cytoskeleton of infected erythrocytes. Histidine rich protein-2 is thought to polymerise free haem to form haemozoin. It is also thought to play a role in the polymerisation of ferriprotoporphyrin IX, a by-product of haemoglobin degradation.

This protein contains a proprietary protein fusion partner.

Protein Molecular Weight	37 kDa
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Purity	~90% by SDS PAGE analysis
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Storage	Store at -20°C only. Storage in frost-free freezers is not recommended. This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the protein. Should this product contain a precipitate we recommend microcentrifugation before use.
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Guarantee	12 months from date of despatch
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Health And Safety Information	Material Safety Datasheet documentation #10573 available at: https://www.bio-rad-antibodies.com/SDS/PIP00110573
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Regulatory	For research purposes only
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To find a batch/lot specific datasheet for this product, please use our online search tool at: [bio-rad-antibodies.com/datasheets](https://www.bio-rad-antibodies.com/datasheets)

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