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ANTIBODY DATASHEET

Anti-HRP2 (Clone12D4)

Technical Data

Product #	CAT-002-06-004-02
Product name	Anti-HRP2 Monoclonal Antibody
Clone	12D4
Host	Mouse
Immunogen	Recombinant Protein
Available Size	100µg; Lyophilized

Applications

ELISA	Yes
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Handling Requirements

Storage	Store at 4°C. Reconstitute with 100µl of sterile water.
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Notes

The primary protein biomarker used in malaria rapid diagnostic tests for Plasmodium falciparum infection is Plasmodium falciparum histidine-rich protein 2 (HRP2).

Working concentrations for your specific applications should be determined by the investigator. Appropriate concentrations will be affected by several factors, including secondary antibody affinity, antigen concentration, sensitivity of detection method, temperature, and length of incubations, etc.

References

This anti-HRP2 monoclonal antibody has been validated as good detection antibody described in: Wright D, Domingo G, Burton R, Jang IK, Markwalter C. Biolayer interferometry predicts ELISA performance of monoclonal antibody pairs for Plasmodium falciparum histidine-rich protein 2. Analytical Biochemistry 534 (2017) 10-13.

Pricing

Cost	\$210.00 + shipping
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Kinetic parameters for anti-HRP2 antibodies measured by BLI.

Clone	Class	Kinetic parameter		
		K_D M x 10 ⁻¹²	k_{on} 1/Ms x 10 ⁵	k_{off} 1/s x 10 ⁻⁷
6C8	IgG	< 1.0	107.0 ± 0.7	< 1.0
10F5	IgG	< 1.0	164.0 ± 0.7	< 1.0
11E10	IgG	< 1.0	87.4 ± 0.5	< 1.0
12D4	IgG	< 1.0	93.0 ± 0.8	< 1.0

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