

Polyclonal Anti-*Plasmodium falciparum* Haloacid Dehalogenase-Like Sugar Phosphatase (PfHAD1) (antiserum, Rabbit)

Catalog No. MRA-1256

Product Description: Antiserum to the haloacid dehalogenase-like sugar phosphatase from *Plasmodium falciparum* (*P. falciparum*) 3D7 (PfHAD1) was produced by immunization of rabbits with a recombinant N-terminal 6xHis-tagged PfHAD1 protein.¹

Lot: 63449602

Manufacturing Date: MAR2013

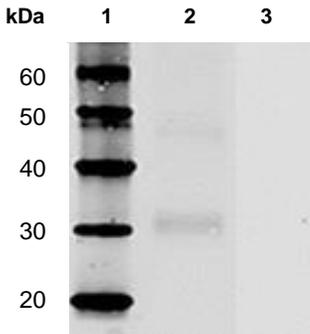
TEST	SPECIFICATIONS	RESULTS
Functional Activity Western blot analysis using <i>P. falciparum</i> clone 3D7 ² Immunofluorescence assay with <i>P. falciparum</i> clone 3D7 ³	Reactive Reactive	Reactive (33 kDa; Figure 1) Reactive; fluorescence observed (Figure 2)

¹The recombinant full-length 6xHis-PfHAD1 was expressed in *Escherichia coli* BL21(DE3) pLysS cells (Life Technologies) and purified using nickel agarose beads [Guggisberg, A. M., et al. "A Sugar Phosphatase Regulates the Methylerythritol Phosphate (MEP) Pathway in Malaria Parasites." *Nat. Commun.* 5 (2014): 4467. PubMed: 25058848.].

²Using *P. falciparum* 3D7 (BEI Resources MRA-102) and 1:1000 dilution of MRA-1256

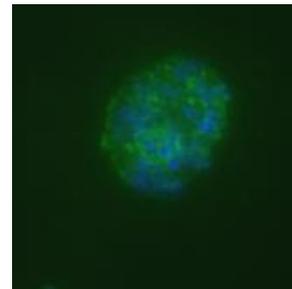
³Specific labeling of *P. falciparum* 3D7 (MRA-102) with FITC and DAPI and 1:500 dilution of MRA-1256

Figure 1: Western Blot Analysis



Lane 1: MW markers
 Lane 2: MRA-1256
 Lane 3: Negative control

Figure 2: *P. falciparum* Immunofluorescence Assay



Date: 03 MAY 2016

Signature: 

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