

SUPPLEMENTARY DATA FILE 1

PfMSA180 is a novel *Plasmodium falciparum* vaccine antigen that interacts with human erythrocyte integrin associated protein (CD47)

Hikaru Nagaoka¹, Chisa Sasaoka¹, Takaaki Yuguchi¹, Bernard N. Kanoi¹, Daisuke Ito², Masayuki Morita¹, Rachanee Udomsangpetch³, Jetsumon Sattabongkot⁴, Tomoko Ishino⁵, Takafumi Tsuboi¹, Eizo Takashima^{1,*}

¹ Division of Malaria Research, Proteo-Science Center, Ehime University, 3 Bunkyo-cho, Matsuyama, Ehime 790-8577, Japan;

² Division of Medical Zoology, Department of Microbiology and Immunology, Faculty of Medicine, Tottori University, 86 Nishi-cho, Yonago, Tottori 683-8503, Japan;

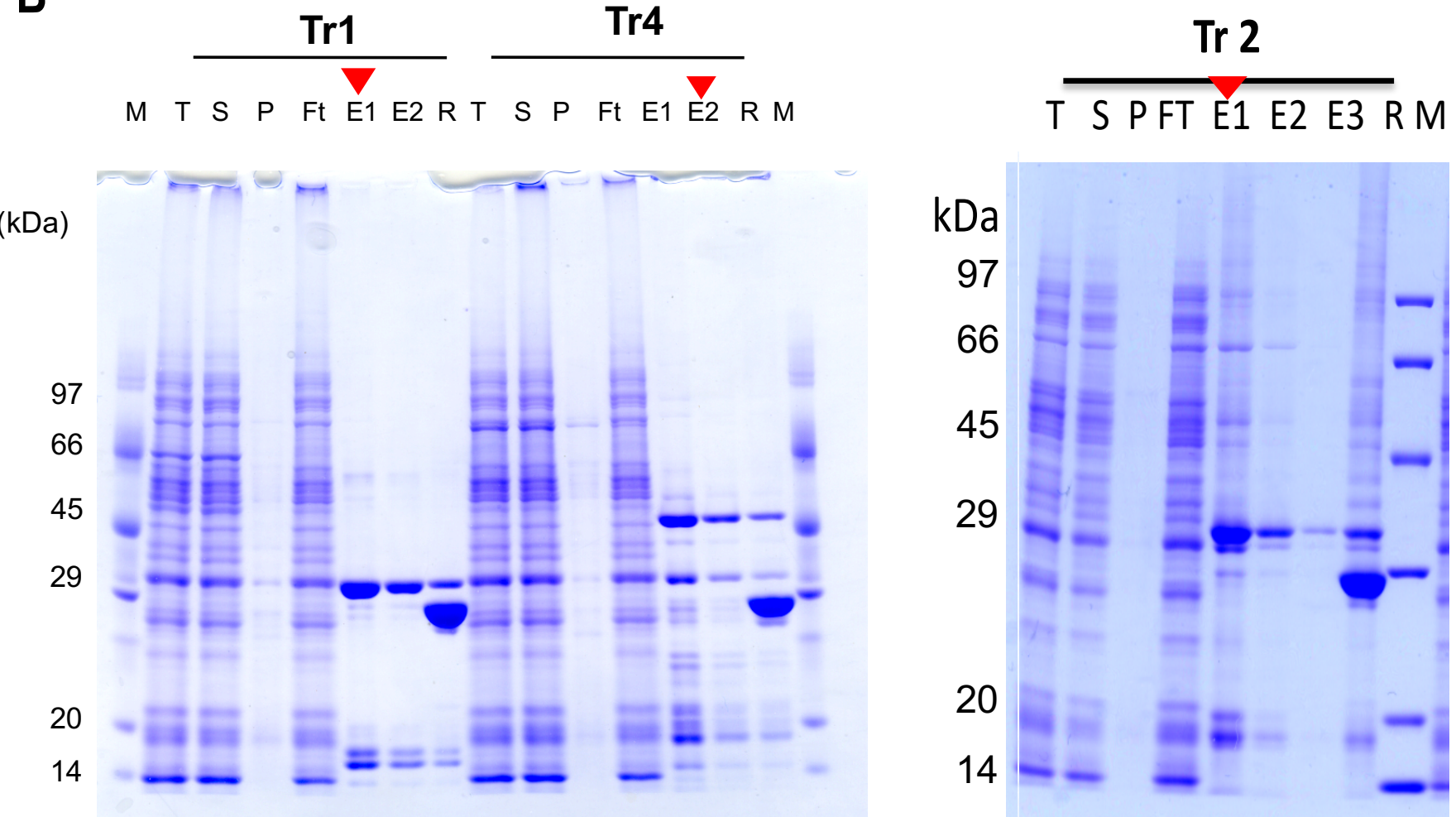
³ Center for Research and Innovation, Faculty of Medical Technology, Mahidol University, Salaya, Nakhosn Pathom 73170, Thailand;

⁴ Mahidol Vivax Research Unit, Faculty of Tropical Medicine, Mahidol University, Bangkok 10400, Thailand;

⁵ Division of Molecular Parasitology, Proteo-Science Center, Ehime University, Toon Ehime 791-0295, Japan

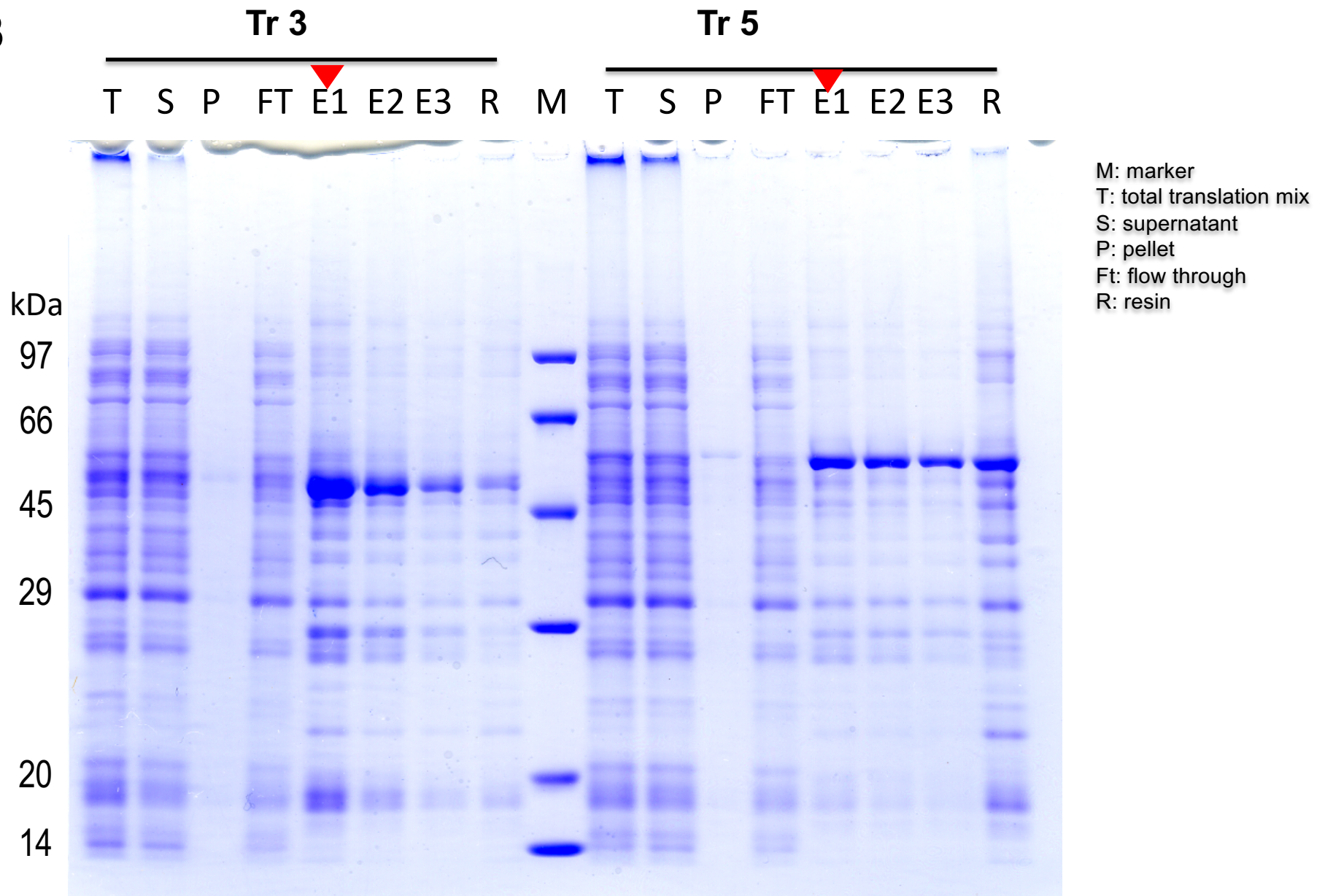
* Corresponding author

Address: Division of Malaria Research, Proteo-Science Center, Ehime University, Japan, 3 Bunkyo-cho, Matsuyama, Ehime 790-8577, Japan. Tel.: (+81) 89 927 9939. E-mail address: takashima.eizo.mz@ehime-u.ac.jp

Fig 1**B**

M: marker
 T: total translation mix
 S: supernatant
 P: pellet
 E1: elution 1
 E2: Elution 2
 Ft: flow through
 R: resin

▼ Presented in the main manuscript

Fig 1**B**

▼ Presented in the main manuscript

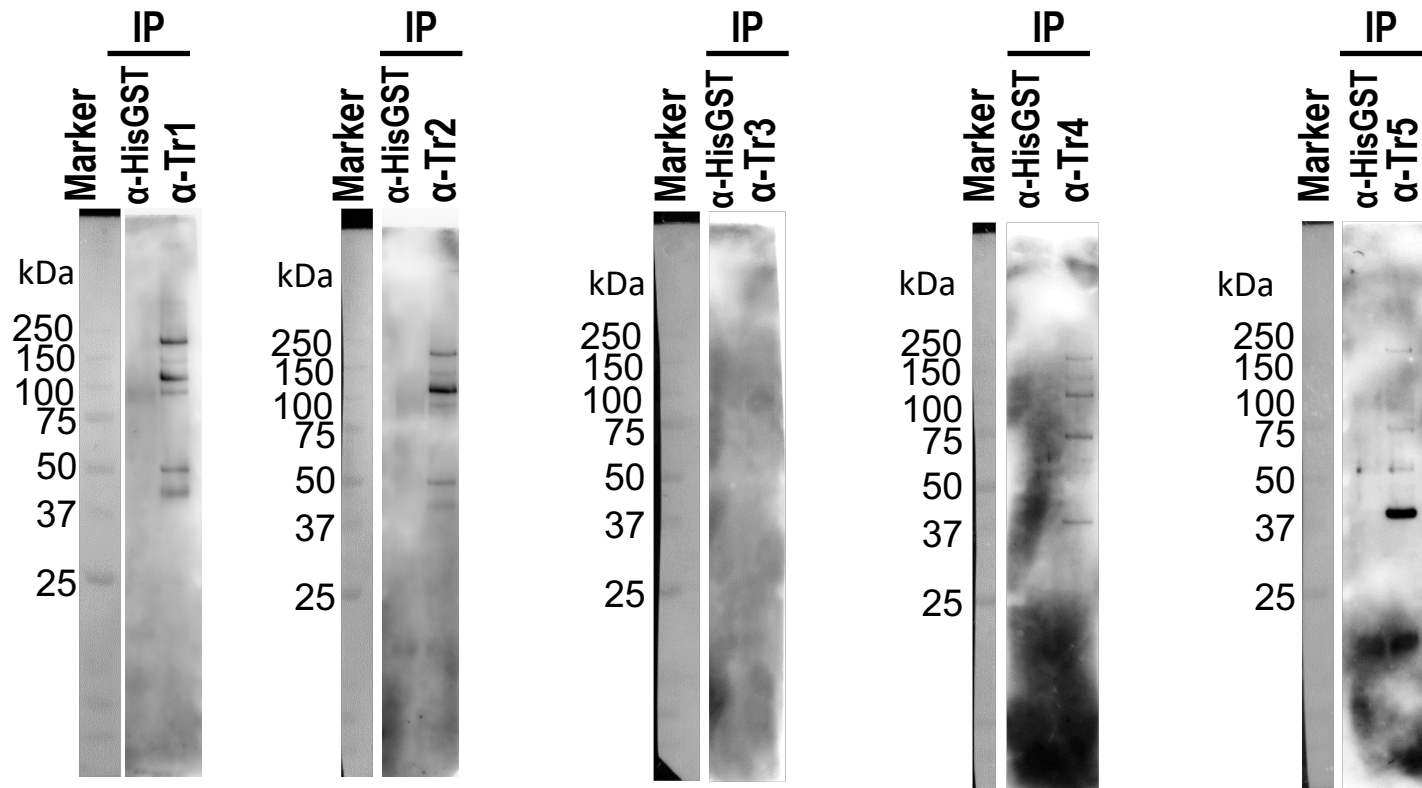
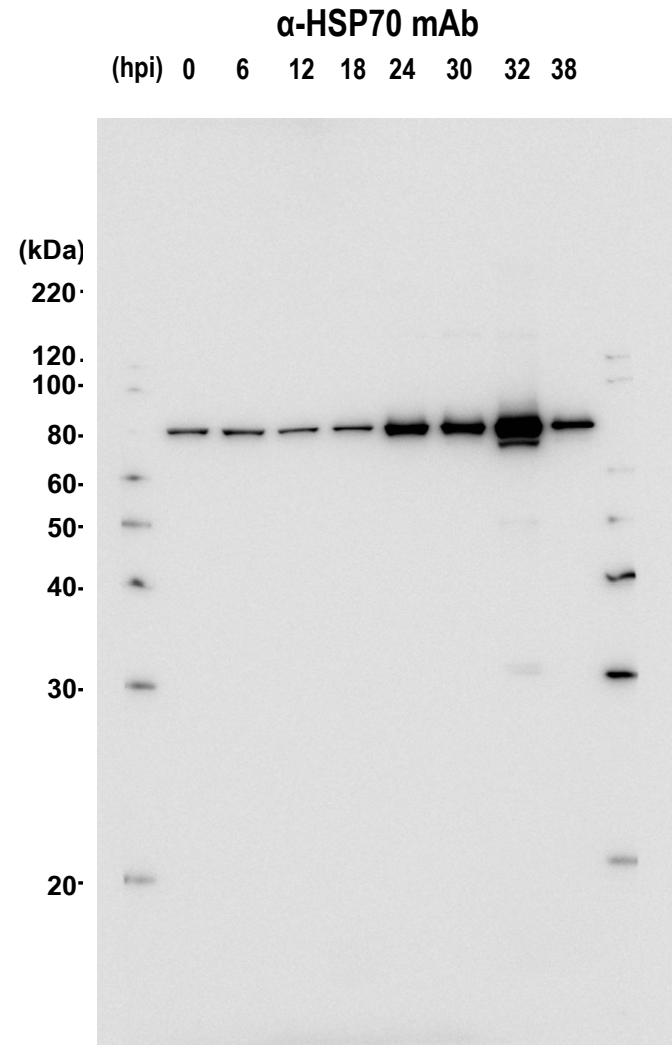
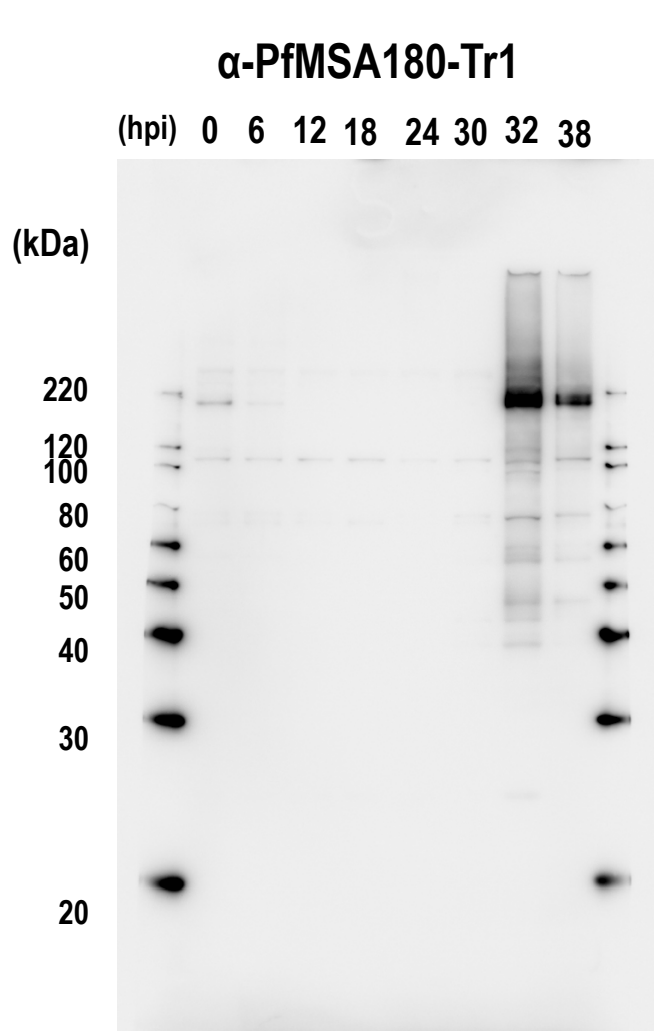
C

Fig 2

A



A

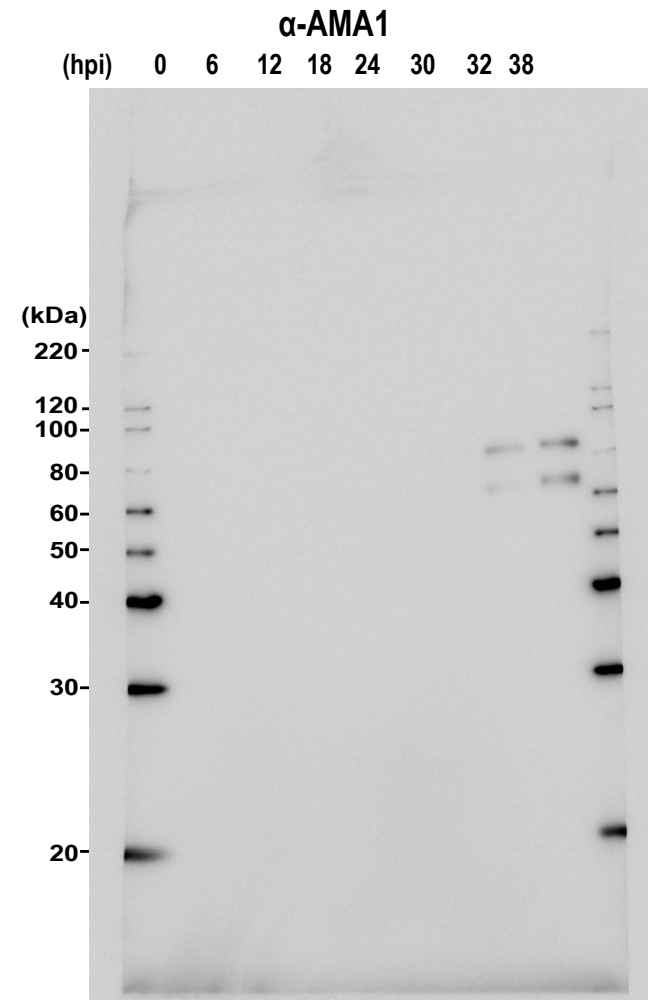
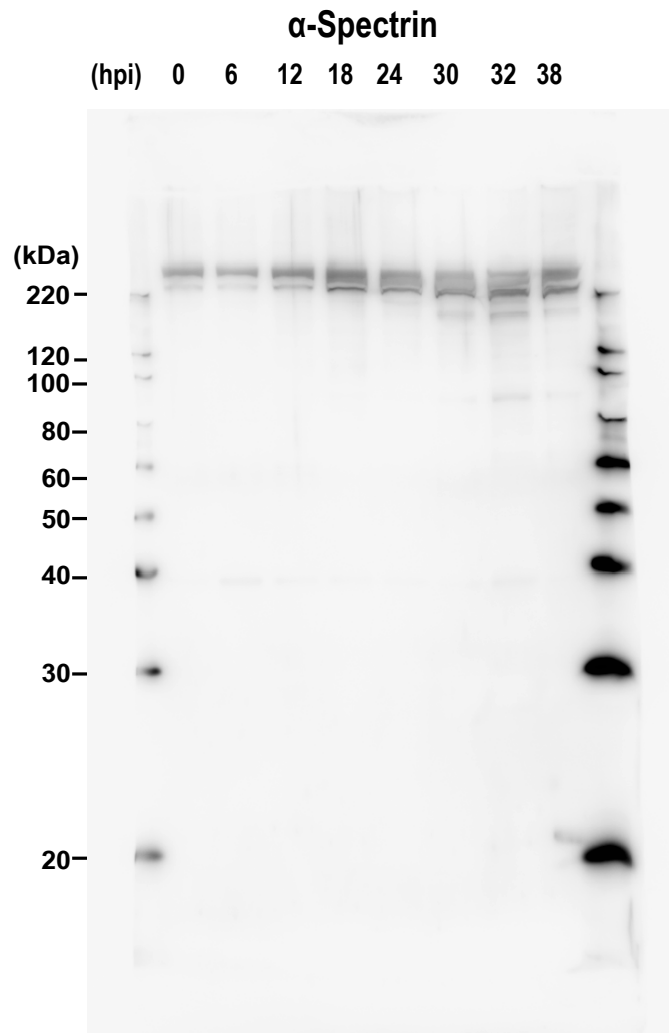
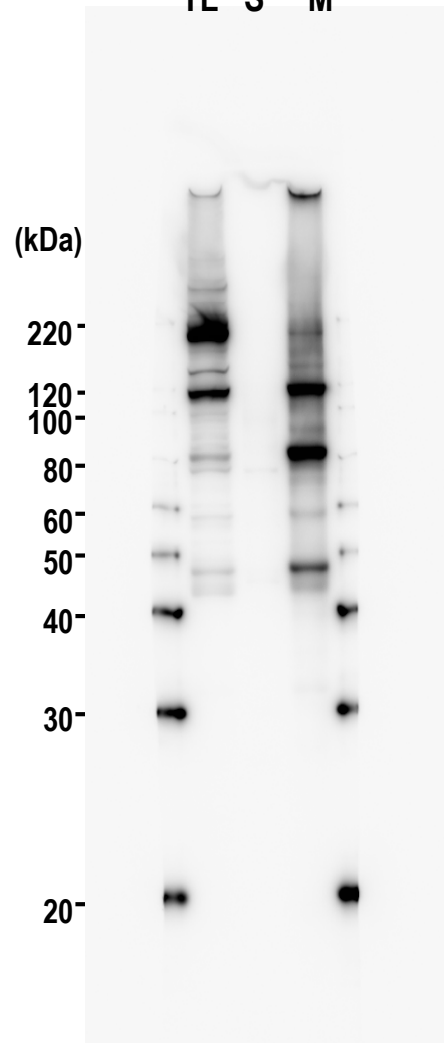


Fig 2

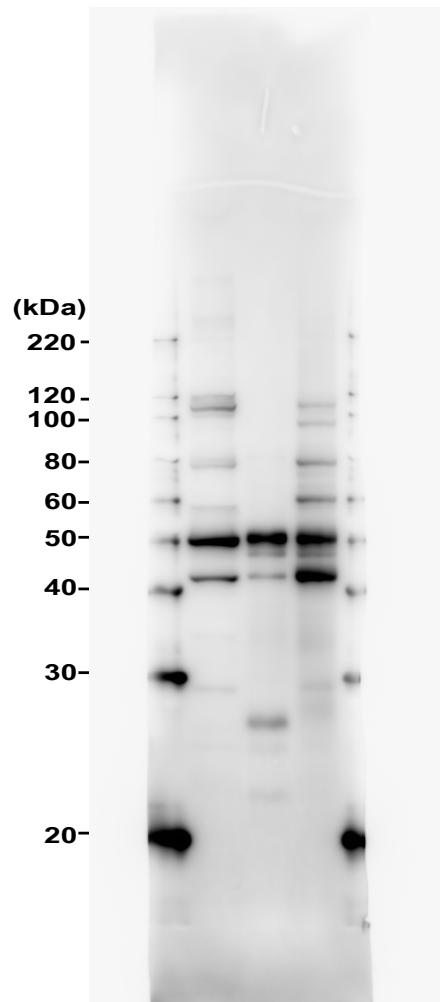
PfMSA180 is a novel *Plasmodium falciparum* vaccine antigen

D

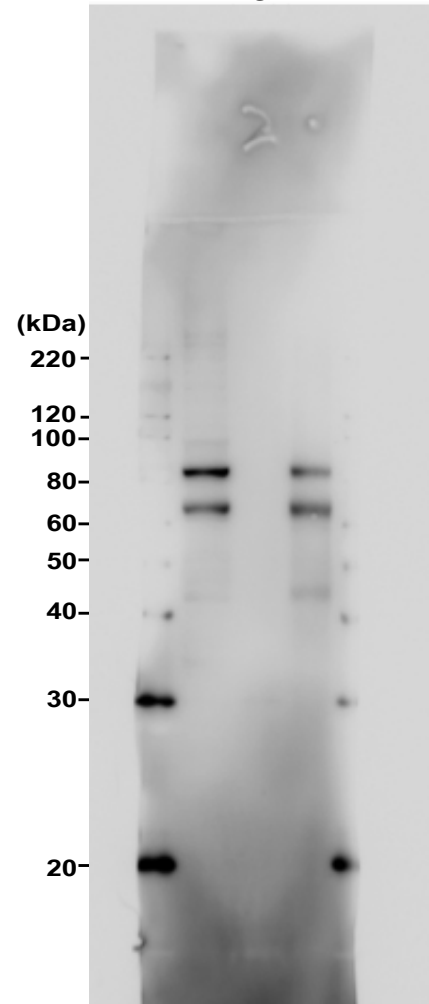
α -PfMSA180-Tr1
TL S M



α -MSP3
TL S M



α -AMA1
TL S M



α -MSP1-19
TL S M

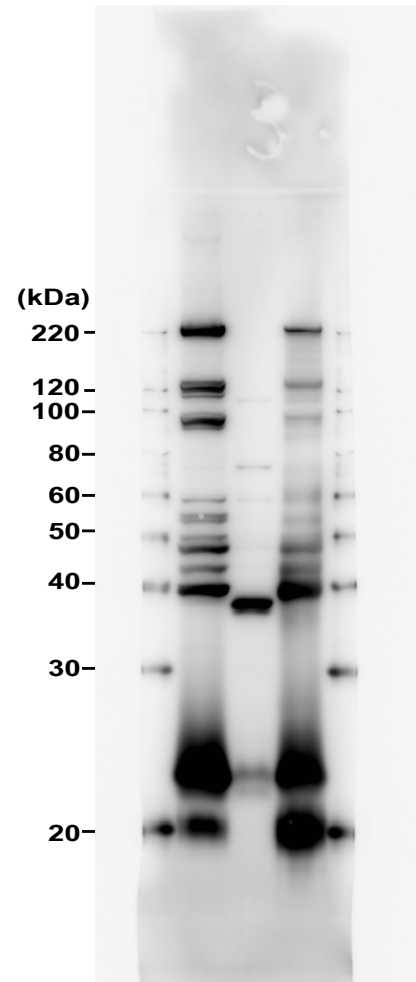


Fig 4

A

