

Polyclonal Anti-*Plasmodium falciparum* Pfg27 (antiserum, Rabbit)

Catalog No. MRA-1277

For research use only. Not for human use.

Contributor

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Manufacturer:

BEI Resources

Product Description:

Antiserum to the sexual stage/gametocyte-specific antigen Pfg27 from *Plasmodium falciparum* (*P. falciparum*) was produced by immunization of rabbits. A recombinant C-terminal 6×His-tagged MBP (maltose binding protein)-Pfg27 fusion protein was digested with protease to release MBP and the Pfg27 band from SDS-PAGE gel was excised and used to immunize rabbits.

Pfg27 is a stage-specific protein expressed during gametogenesis and production of mature gametocytes, the sexual stage of *P. falciparum* that ensures the continued transmission of malarial parasite from the human host to the mosquito vector.^{1,2}

Material Provided:

Each vial of MRA-1277 contains approximately 0.5 mL of polyclonal anti-*P. falciparum* Pfg27 rabbit antiserum.

Packaging/Storage:

MRA-1277 is packaged aseptically in screw-capped plastic cryovials and is provided frozen on dry ice. MRA-1277 should be stored at -80°C or colder immediately upon arrival. Freeze-thaw cycles should be avoided.

Functional Activity:

MRA-1277 is active in western blot analysis and ELISA. See the Certificate of Analysis for results of western blot analysis and ELISA performed at BEI Resources.

Citation:

Acknowledgment for publications should read "The following reagent was obtained through BEI Resources, NIAID, NIH: Polyclonal Anti-*Plasmodium falciparum* Pfg27 (antiserum, Rabbit), MRA-1277, contributed by Kim C. Williamson."

Biosafety Level: 1

Appropriate safety procedures should always be used with this material. Laboratory safety is discussed in the following publication: U.S. Department of Health and Human Services, Public Health Service, Centers for Disease Control and Prevention, and National Institutes of Health. [Biosafety in Microbiological and Biomedical Laboratories](#). 5th ed.

Washington, DC: U.S. Government Printing Office, 2009; see www.cdc.gov/biosafety/publications/bmb15/index.htm.

Disclaimers:

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References:

1. Eksi, S., et al. "Identification of a Subtelomeric Gene Family Expressed During the Asexual-Sexual Stage Transition in *Plasmodium falciparum*." [Mol. Biochem. Parasitol.](#) 143 (2005): 90-99. PubMed: 15996767.
2. Eksi, S., et al. "*Plasmodium falciparum* Gametocyte Development 1 (*Pfgdv1*) and Gametocytogenesis Early Gene Identification and Commitment to Sexual Development." [PLoS Pathog.](#) 8 (2012): e1002964. PubMed: 23093935.

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