

Polyclonal Anti-*Plasmodium falciparum* PfGRP78 (BiP), Anti-SGDEDVDSDEL Peptide (antiserum, Rabbit)

Catalog No. MRA-1246

For research use only. Not for human use.

Contributor and Manufacturer:

BEI Resources

Product Description:

Antiserum to a synthetic peptide (C-SGDEDVDSDEL) of glucose-regulated protein (immunoglobulin binding protein) from *Plasmodium falciparum* (*P. falciparum*) (PfGRP78 or BiP)¹, conjugated to keyhole limpet hemocyanin using an introduced N-terminal cysteine, was produced by immunization of rabbits.

PfGRP78 (BiP) is a glucose-regulated, stress-related protein abundantly expressed in the endoplasmic reticulum and involved in transport.¹

Material Provided:

Each vial of MRA-1246 contains approximately 500 µL of polyclonal anti-*P. falciparum* PfGRP78 (BiP) rabbit antiserum.

Packaging/Storage:

MRA-1246 is packaged aseptically in cryovials with and is provided frozen on dry ice. MRA-1246 should be stored at -80°C or colder immediately upon arrival. Freeze-thaw cycles should be avoided.

Functional Activity:

MRA-1246 is active in indirect immunofluorescence assays and western blot analysis. See the Certificate of Analysis for results of immunofluorescence assay and western blot analysis performed at BEI Resources.

Citation:

Acknowledgment for publications should read “The following reagent was obtained through BEI Resources, NIAID, NIH: Polyclonal Anti-*Plasmodium falciparum* PfGRP78 (BiP), Anti-SGDEDVDSDEL Peptide (antiserum, Rabbit), MRA-1246.”

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/bmbl5/index.htm.

Disclaimers:

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References:

1. Kumar, N., et al. “Induction and Localization of *Plasmodium falciparum* Stress Proteins Related to the Heat Shock Protein 70 Family.” Mol. Biochem. Parasitol. 48 (1991): 47-58. PubMed: 1779989.

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