Monoclonal Antibody 3F10-6 Anti-
*Plasmodium falciparum* Histoaspartic Protease (HAP) (produced in vitro)

Catalog No. MRA-811A

For research use only. Not for human use.

Contributor and Manufacturer:
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Product Description:
Antibody Class: IgG2b
Mouse monoclonal antibody prepared against the histoaspartic protease (HAP) of *Plasmodium falciparum* (*P. falciparum*) was purified from 3F10-6 hybridoma supernatant by protein G affinity chromatography. Known previously as plasmspin (PM) III, HAP is one of four, highly homologous aspartic proteases called plasmspins that reside in the food vacuole of *P. falciparum* and cause degradation of hemoglobin or globin. HAP is unique in that it has a histidine in place of the first canonical aspartic acid but is an active protease that may function by an aspartic or serine protease mechanism.

Material Provided:
Each vial contains approximately 75 µL of purified monoclonal antibody in culture medium with sodium azide at a concentration of approximately 2 mg per mL.

Packaging/Storage:
MRA-811A was packaged aseptically in screw-capped plastic cryovials and is provided frozen on dry ice. The product should be stored at -20°C or colder immediately upon arrival. Freeze-thaw cycles should be avoided.

Functional Activity:
Monoclonal antibody 3F10-6 is reported to function in western blot analysis with a reported titer of 1:10,000.

Citation:
Acknowledgment for publications should read “The following reagent was obtained through BEI Resources, NIAID, NIH: Monoclonal Antibody 3F10-6 Anti-*Plasmodium falciparum* Histoaspartic Protease (HAP) (produced in vitro), MRA-811A, contributed by Daniel E. Goldberg.”

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.


Disclaimers:
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References:
1. Goldberg, D. E., Personal Communication

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