Monoclonal Anti-\textit{Toxoplasma gondii} ROP4 Protein, Clone T2 2H3 (produced \textit{in vitro})

\textbf{Catalog No. NR-50251}

For research use only. Not for human use.

\textbf{Contributor:}
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\textbf{Manufacturer:}
BEI Resources

\textbf{Product Description:}
Antibody Class: IgG1x
Mouse monoclonal antibody prepared against the rhoptry protein, ROP4, of \textit{Toxoplasma gondii} clone T2 2H3 was purified from the hybridoma supernatant by protein G affinity chromatography. ROP4 is a type I transmembrane protein belonging to the ROP2 family of proteins. The mature, processed ROP4 is localized in the rhoptries, secretory organelles at the apical end of the parasite, and is secreted from the parasite during host cell invasion.\textsuperscript{1,3}

\textbf{Material Provided:}
Each vial of NR-50251 contains approximately 100 \textmu L of purified monoclonal antibody in PBS, pH 7.4. The concentration, expressed as mg per mL, is shown on the Certificate of Analysis.

\textbf{Packaging/Storage:}
NR-50251 was packaged aseptically in screw-capped plastic vials 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.

\textbf{Functional Activity:}
NR-50251 is shown to react with ROP4 and to function in immunofluorescence and immunoblot assays.\textsuperscript{1,2}

\textbf{Citation:}
Acknowledgment for publications should read "The following reagent was obtained through BEI Resources, NIAID, NIH: Monoclonal Anti-\textit{Toxoplasma gondii} ROP4 Protein, Clone T2 2H3 (produced \textit{in vitro}), NR-50251."

\textbf{Biosafety Level:} 1

\textbf{Disclaimers:}
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\textbf{References:}

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