Anti-Pvs25 Surface Protein [2A8] Standard Size Ab00425-1.1

> This full-length, chimeric rabbit antibody was made using the variable domain sequences of the original Mouse scFv format, for improved compatibility with existing reagents, assays and techniques.

Isotype and Format: Mouse IgG1, Kappa
Clone Number: 2A8
Alternative Name(s) of Target: Ookinete Pvs25; Ookinete Surface Protein Pvs-25
UniProt Accession Number of Target Protein: D9D8M0
Published Application(s): Blocking, ELISA
Published Species Reactivity: Plasmodium vivax
Immunogen: Recombinant P.vivax Pvs25.
Specificity: The antibody binds to the 2B loop of Pvs25 with nanomolar affinity.
Application Notes: This antibody binds to Pvs25, a Plasmodium surface protein constiting of a triangular arrangement of four epidermal growth-factor-like domainst tether on the cell by a glycosylphosphatidylinositol anchor. The antibody blocks the transmission of P. vivax to mosquitoes from the blood of a P. vivax-infected chimpanzee and from the blood of patients with vivax malaria.
Antibody First Published in: Saxena et al. Preparation, crystallization and preliminary X-ray analysis of a complex between the Plasmodium vivax sexual stage 25 kDa protein Pvs25 and a malaria transmission-blocking antibody Fab fragment Acta Crystallography Section D Biological Crystallography 2004; 60(Pt 11):2054-2057 PMID:15502325
Note on publication: Describes the generation of a murine monoclonal antibody against recombinant Pvs25 to prevent formaiton of P. vivax oocysts in mosquitoes.

Product Form

Size: 200 µg Purified antibody.
Purification: Protein A affinity purified
Supplied In: PBS with 0.02% Proclin 300.
Storage Recommendation: Store at 4ºC for up to 3 months. For longer storage, aliquot and store at -20ºC.
Concentration: 1 mg/ml.

Important note – This product is for research use only. It is not intended for use in therapeutic or diagnostic procedures for humans or animals.