

Anti-Pvs25 Surface Protein [2A8] Bulk Size Ab00425-10.7-BT

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Isotype and Format: Human F(ab)2, AbFab2™ His-Tagged, 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 consisting of a triangular arrangement of four epidermal growth-factor-like domains tethered 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 formation of P. vivax oocysts in mosquitoes.

Product Form

Size: 500 µg Purified antibody in bulk size.

Purification: Purified by Immobilized Metal Affinity Chromatography

Supplied In: PBS only.

Storage Recommendation: Store at 4°C for up to 3 months. Note, this antibody is provided without added preservatives, it is therefore recommended this antibody be handled under sterile conditions. For longer

storage, aliquot and store at -20°C.

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.