

## Anti-Pvs25 Surface Protein [2A8] Standard Size Ab00425-1.4

This antibody was created using our proprietary Fc Silent™ engineered Fc domain containing key point mutations that abrogate binding to Fc gamma receptors.

**Isotype and Format:** Mouse IgG1, Fc Silent™, 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:** 200 µg Purified antibody.

**Purification:** Protein A affinity purified

**Supplied In:** PBS with 0.02% Proclin 300.

**Storage Recommendation:** Store at 4°C for up to 3 months. 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.