



6352 CORTE DEL ABETO, STE B
CARLSBAD, CA 92011 USA
01.858.642.1988 • WWW.ATSBIO.COM

**Dengue Virus Envelope Subtype-2 45 kDa Recombinant
VIRAL ANTIGEN**

Catalog Number: PRP-422
Quantity: 100 micrograms, 500 micrograms, 1 milligram
Format: PBS, pH 7.4
Host: *E. coli*

Background:

Dengue virus is caused by one of four closely related virus serotypes of the genus *Flavivirus*, family Flaviviridae. Each serotype is sufficiently different from the other such that there is no cross-protection and epidemics caused by multiple serotypes (hyperendemicity) can occur. In cell culture experiments and in mice Morpholino antisense oligos have shown specific activity against dengue virus.

Specificity and Preparation:

Recombinant dengue virus subtype 2 envelope protein is produced in *E. coli* and purified by proprietary chromatographic techniques. The recombinant protein does not include the N-terminal 45 amino acids of the native protein. It contains a 6 His tag and it is suitable for gold conjugation. Purity is greater than 95% pure as determined by SDS-PAGE.

Usage and Storage:

Reported to be effective for lateral flow and ELISA assay. The end user must determine the optimum working titer for each particular application.

Although stable at 4°C for 1 week, the material should be stored below -18°C. Avoid repeated freezing and thawing. Gently spin down material before use; 5-10 seconds in a microfuge should be adequate.

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