

Recombinant Dengue Virus Subtype 1 Envelope 45kDa, Suitable for Gold Conjugation, His Tag

Catalog No.	CS149A	Quantity:	100 µg
	CS149B		500 µg
	CS149C		1.0 mg

Description: Recombinant Dengue Virus Subtype 1 Envelope 45 kDa, produced in *E. coli*, Suitable for Gold Conjugation. Product has strong Dengue IgG and IgM reactivity as tested by lateral flow device. This protein is fused to 6x His tag.

Dengue fever is caused by 1 of 4 closely-linked virus serotypes of the genus *Flavivirus*, family *Flaviviridae*. One may have dengue fever infection by a different serotype virus after a primary infection with any one of the viruses. Detection of specific antibodies to the 4 different dengue viruses is used for clinical diagnosis. Recently, lateral flow rapid test products have become one of the most common methods for clinical diagnosis. However, it is difficult for manufacturers to obtain complete coverage with all 4 serotypes as well as achieve colloid gold binding ability. In order to address this problem, 8 dengue antigens have been established for lateral flow products that are well defined for their dengue IgG & IgM recognition. The researcher can then select products based on their own specific application.

Source: *E. coli*, (43-413 aa) with a 6x His tag

Purification: Purified by proprietary chromatographic technique.

Concentration: 1.0 mg/ml, lot specific

Volume: Lot specific

Formulation: Phosphate buffered saline containing 25 mM arginine.

Purity: >95% pure as determined by 10% PAGE (Coomassie staining).

Applications: Lateral Flow assays, ELISA

Storage & Stability: Stable at 2-8°C for 1 week, upon arrival, store at -20°C to -80°C for at least 1 year. Recommended to store as aliquots. **Avoid repeated freeze-thaw cycles.**

NOT FOR HUMAN USE. FOR RESEARCH ONLY. NOT FOR DIAGNOSTIC OR THERAPEUTIC USE.

