

Product Datasheet

Dengue Virus 4 (DENV4) NS1 Protein (orb1921723)

Catalog Number	orb1921723
Category	Proteins
Description	<p>Dengue virus (DENV) is a single-stranded positive-sense RNA virus that causes dengue fever, belonging to the Flaviviridae family. A total of four antigenically distinct serotypes (DENV1, DENV2, DENV3 and DENV4) have been identified with different manifestations of clinical symptoms despite sharing 65% similarities. DENV non-structural protein 1 (NS1), one of the 7 non-structural proteins in DENV, is a highly conserved 48-kDa glycoprotein with serotype-specific epitopes that enable differentiation of DENV serotypes. NS1 is the only protein that is continuously secreted by infected host cells. NS1 is secreted in a hexamer form, which is composed of three dimers with a detergent-sensitive hydrophobic central cavity that carries a cargo of ~70 lipid molecules. The NS1 can be detected in the serum of patients from the onset of symptoms, which serves as a more useful diagnostic marker for the early detection of DENV. Furthermore, DENV NS1 plays a pathogenic role in vascular leakage.</p>
Form/Appearance	Purified,Liquid
Buffer/Preservatives	PBS, 5% mannitol, 0.01% Tween 80, pH7.4
Purity	>95% pure (SDS-PAGE)
Purification	Protein A Chromatography
MW	40 kDa
Tested applications	CLIA
Expression System	Mammalian cell
Matched Pairs	Control
Source	Dengue virus type 4 (strain Singapore/8976/1995) (DENV-4)

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Sample Types	Test sample type: Whole Blood. Test sample source: Human
Storage	For long term storage, the product should be stored at -20°C or lower.
Note	For research use only
Expiration Date	6 months from date of receipt.

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