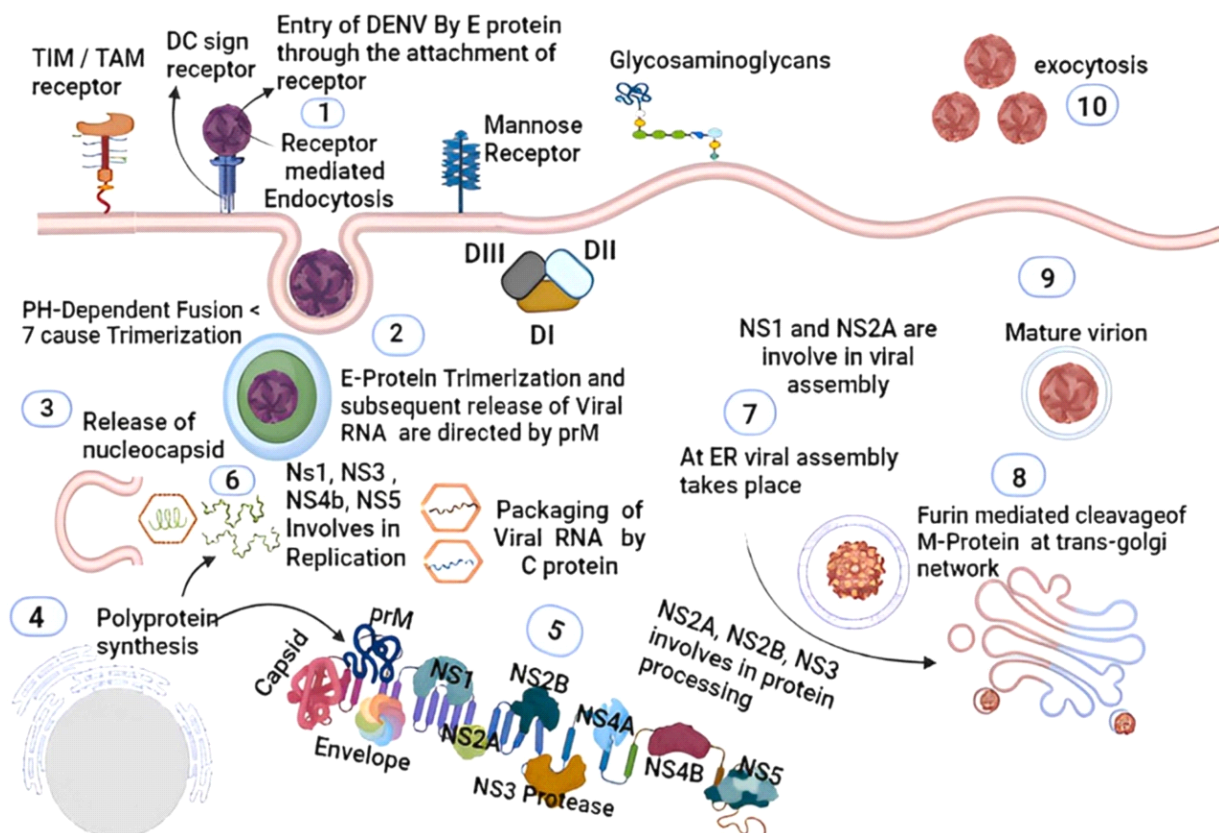


# Dengue virus (DENV)

Dengue virus (DENV) is a member of the genus *Flavivirus* within the family *Flaviviridae*. It is transmitted by *Aedes* mosquitoes and is responsible for dengue fever, dengue hemorrhagic fever, and dengue shock syndrome, all of which are associated with high morbidity and mortality rates. DENV particles are spherical in shape, with a diameter ranging from 45 to 55 nm. There are four serotypes of DENV: DENV-1, DENV-2, DENV-3, and DENV-4, with DENV-4 being less transmissible and less widespread. The DENV genome consists of a single-stranded positive-sense RNA that encodes three structural proteins: capsid (C), premembrane (prM), and envelope (E), along with seven nonstructural proteins (NS1, NS2A, NS2B, NS3, NS4A, NS4B, and NS5). The NS1 antigen, a glycoprotein among the nonstructural proteins, is present in significant quantities in the serum during the acute phase of infection and serves as an early diagnostic indicator.



Recombinant Protein		
Catalog No.	Product Name	Applications
YVV15801	Recombinant DENV-2 NS1/Non-structural protein 1 Protein, N-His	ELISA, Immunogen, SDS-PAGE, WB
YVV19905	Recombinant DENV-1 Envelope protein E, N-His	ELISA, Immunogen, SDS-PAGE, WB
YVV19904	Recombinant DENV-4 Envelope protein E, N-His	ELISA, Immunogen, SDS-PAGE, WB
YVV19902	Recombinant DENV-3 Envelope protein E, N-His	ELISA, Immunogen, SDS-PAGE, WB
YVV19901	Recombinant DENV-2 Envelope protein E, N-His	ELISA, Immunogen, SDS-PAGE, WB
YVV31501	Recombinant DENV-1 Capsid protein C/Core protein Protein, N-GST & C-His	ELISA, Immunogen, SDS-PAGE, WB
YVV31601	Recombinant DENV-2 NS3/Serine protease NS3 Protein, N-His	ELISA, Immunogen, SDS-PAGE, WB
YVV25301	Recombinant DENV-1 Protein prM/prM Protein, N-GST & C-His	ELISA, Immunogen, SDS-PAGE, WB
Antibody		
Catalog No.	Product Name	Applications
RVV04001	Anti-DENV-2 E-DII/Envelope Protein E Antibody (2A10)	ELISA, IHC, WB
RVV04201	Anti-Dengue Virus NS1 antibody	ELISA, WB
VVV25303	InVivoMAb Anti-DENV2 Protein prM/prM Antibody (2H2)	ELISA, Neutralization
RVV04002	Anti-DENV-2 E-DII/Envelope Protein E Antibody (2A10)	ELISA, Neutralization
VVV19902	InVivoMAb Anti-DENV-2 Envelope protein E/EDIII (Iv0125)	ELISA, Neutralization
VVV19901	InVivoMAb Anti-DENV-2 Envelope protein E/EDIII (Iv0124)	ELISA, Neutralization
RVV11701	Anti-Dengue and Zika virus EDE1 Antibody (EDE1C10)	ELISA, Neutralization, WB
RVV04101	Anti-DENV-2 E-DIII antibody (1A1D)	ELISA, WB

All Products are for Research Use



Scan the QR code for more products



**AntibodySystem**  
Recombinant Proteins & Antibodies

**Innovative Biolabs & Reliable Bioreagents**

Web: [www.antibodysystem.com](http://www.antibodysystem.com)

Add: 10 Avenue Kléber 75116 Paris, FRANCE

Telephone: +33 1 75 44 64 23

Mail: [order@antibodysystem.com](mailto:order@antibodysystem.com)