

Marburg virus

The **Marburg virus (MARV)**, also referred to as Lake Victoria marburgvirus, is among the most lethal human pathogens known. It causes Marburg virus disease (MVD), a severe illness frequently described in scientific literature as Marburg hemorrhagic fever (MHF). The deadliest outbreak on record had a mortality rate approaching **90%**.

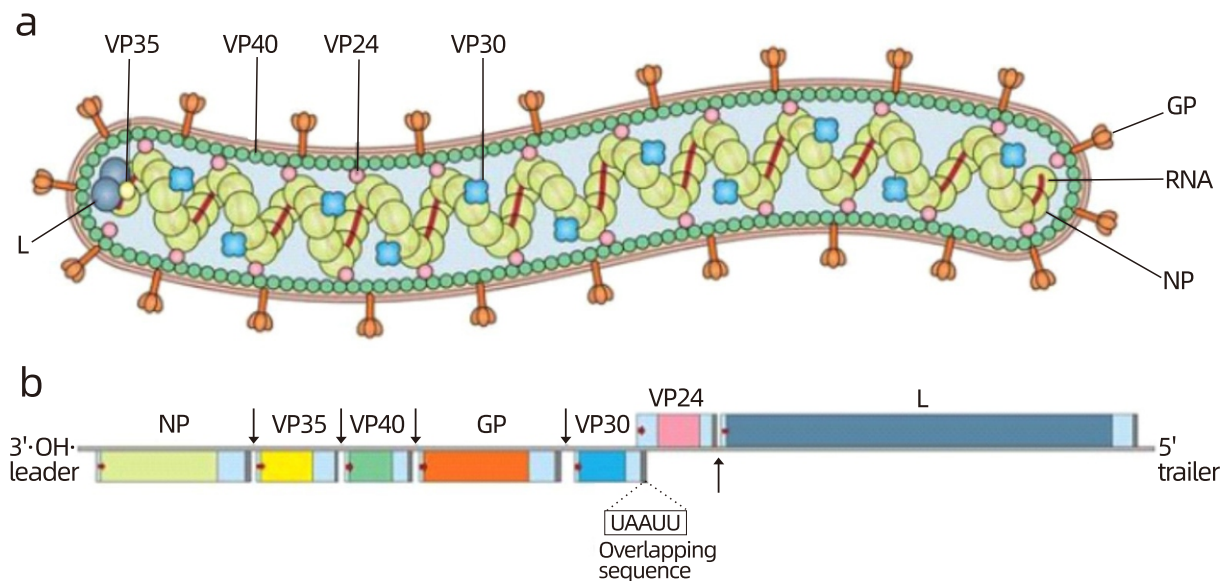


Fig. 1 Virion structure and genome organization of Marburg virus (Virulence)

First identified in 1967 through electron microscopy(EM), MARV is an enveloped, single-stranded, negative-sense RNA virus. Its viral particles are composed of ribonucleoprotein (RNP) complexes that encapsulate the genomic RNA. Beneath its envelope lies a series of structural proteins, including **nucleoprotein(NP)** and **nucleocapsid(VP35)**. Additional viral components include **transcription factor(VP30)**, **nucleocapsid protein(VP24)**, and **RNA-dependent RNA polymerase(L)**. The matrix protein(VP40) forms a supportive layer, while **glycoproteins(GP)** protrude from the viral surface, forming spikes essential for host cell entry.

Catalog No.	Product Name
Protein	
VK735012	Recombinant MARV VP40/Marburg VP40 Protein, N-His
VK504012	Recombinant MARV VP35/Marburg VP35 Protein, N-His
VK538012	Recombinant MARV VP30/Minor nucleoprotein VP30 Protein, N-His
VK668012	Recombinant MARV VP24/Marburg VP24 Protein, N-His
VK660012	Recombinant MARV NP/Nucleoprotein Protein, N-His
VK669022	Recombinant MARV GP2/Envelope glycoprotein 2 Protein, N-His
VK669031	Recombinant MARV GP2/Envelope glycoprotein 2 Protein, C-Strep
VK669012	Recombinant MARV GP1/Envelope glycoprotein 1 Protein,N-His
VK669021	Recombinant MARV GP1/Envelope glycoprotein 1 Protein, C-His
VK669011	Recombinant MARV GP/Envelope glycoprotein Protein, C-His
Antibody	
VK735014	Anti-MARV VP40/Marburg VP40 Polyclonal Antibody
VK504013	Anti-MARV VP35/Marburg VP35 Antibody (ABS1996)
VK660013	Anti-MARV NP/Nucleoprotein Antibody (ABS0705)
VK669014	Anti-MARV GP1/Envelope glycoprotein 1 Polyclonal Antibody
VK669023	Anti-MARV GP/Envelope glycoprotein Antibody (MR78)
VK669013	Anti-MARV GP/Envelope glycoprotein Antibody (MR191)

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