

Parvovirus B19 (B19V) Related Products

Parvovirus B19 (B19V) is a small, non-enveloped, single-stranded DNA virus. It causes conditions such as **erythema infectiosum (fifth disease)**, transient aplastic crisis, and anemia in end-stage renal disease. **B19V mainly spreads via inhalation of droplets** and also through blood products or vertical transmission from mother to fetus. Its immune response includes the production of short-term IgM antibodies (lasting 3-6 months) and long-term IgG antibodies.

The B19V genome spans approximately 5.6 kb, encoding six proteins, including the capsid proteins **VP1** and **VP2**, and the replication protein **NS1**. Its icosahedral capsid, approximately 20 nanometers in size, is composed of ~95% VP2, with VP1 contributing an additional 227 amino acids, enhancing antibody binding efficiency. No approved vaccine is available, making B19V a significant health concern in specific situations.

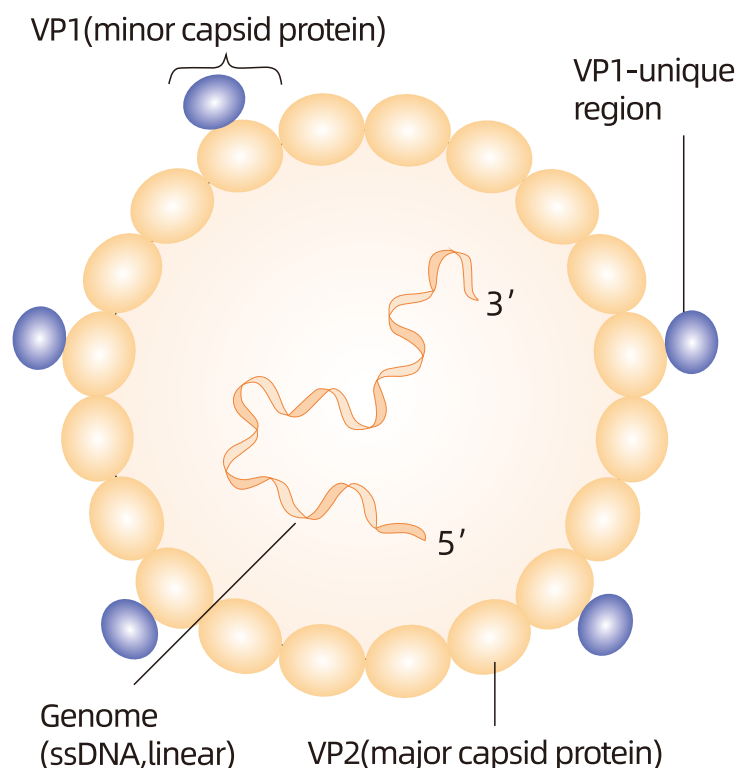


Fig 1. Schematic structure and composition of a parvovirus particle.(Plentz, A. et al., 2011)

Protein

Catalog No.	Product Name
VK472012	Recombinant HPV B19 NS1/Non-structural protein 1 Protein, N-His
VK449012	Recombinant HPV B19 VP2/Coat protein VP2 Protein, N-His
VK449022	Recombinant HPV B19 VP1/Coat protein VP1 Protein, N-His

Monoclonal Antibody

Catalog No.	Product Name
VK809013	Anti-Human parvovirus B19/HPV-B19 VP2/Viral protein 2 Antibody (ABS1817)
VK472010	InVivoMAb Anti-HPV B19/B19V NS1/Non-structural protein 1 (ABV0171)
VK449010	InVivoMAb Anti-HPV B19/B19V VP1/Coat protein VP1 (ABV0077)
VK449020	InVivoMAb Anti-HPV B19/B19V VP1/Coat protein VP1 (ABV0158)

Polyclonal Antibody

Catalog No.	Product Name
VK472014	Anti-HPV B19 NS1/Non-structural protein 1 Polyclonal Antibody
VK449014	Anti-HPV B19 VP2/Coat protein VP2 Polyclonal Antibody
VK449024	Anti-HPV B19 VP1/Coat protein VP1 Polyclonal Antibody

All products are for research use only



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