



Parvovirus (5181): sc-58178

BACKGROUND

Parvovirus is a genus of the *Parvoviridae* family of linear, non-segmented single stranded DNA viruses with an average genome size of 5 kbp. *Parvoviruses* are some of the smallest viruses found in nature. The viral capsid of *Parvovirus* is composed of three proteins designated VP1, VP2 and VP3, that form an icosahedral structure resistant to pH, solvents and temperature up to 50° C. Within the capsid is a single stranded DNA genome with hairpins formed by sequences of approximately 115 nucleotides long at the 5' and 3' ends. *Parvoviruses* infect many mammalian species. The human form of *Parvovirus* (designated B19) is the causative agent of erythema infectiosum, a mild epidemic illness that infects erythroid cells and spreads rapidly. Human *Parvovirus* (B19) especially poses a risk to pregnant women who can pass the virus to the fetus.

REFERENCES

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SOURCE

Parvovirus (5181) is a mouse monoclonal antibody raised against human *Parvovirus* (B19).

RESEARCH USE

For research use only, not for use in diagnostic procedures.

PRODUCT

Each vial contains 100 µg IgG in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

APPLICATIONS

Parvovirus (5181) is recommended for detection of human parvovirus (B19) of Parvovirus origin by Western Blotting (starting dilution 1:200, dilution range 1:100-1:1000) and immunofluorescence (starting dilution 1:50, dilution range 1:50-1:500).

Molecular Weight of Parvovirus: 84 kDa.

SELECT PRODUCT CITATIONS

- Chandramouli, S., Medina-Selby, A., Coit, D., Schaefer, M., Spencer, T., Brito, L.A., Zhang, P., Otten, G., Mandl, C.W., Mason, P.W., Dormitzer, P.R. and Settembre, E.C. 2013. Generation of a parvovirus B19 vaccine candidate. *Vaccine* 31: 3872-3878.

STORAGE

Store at 4° C, **DO NOT FREEZE**. Stable for one year from the date of shipment. Non-hazardous. No MSDS required.

PROTOCOLS

See our web site at www.scbt.com for detailed protocols and support products.