



## Parvovirus (5G7): sc-52145

### 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 (5G7) is a mouse monoclonal antibody raised against canine *Parvovirus*.

### PRODUCT

Each vial contains 100 µg IgG<sub>2a</sub> in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

### APPLICATIONS

Parvovirus (5G7) is recommended for detection of Parvovirus origin by solid phase ELISA (starting dilution 1:30, dilution range 1:30-1:3000).

### STORAGE

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

### RESEARCH USE

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

### PROTOCOLS

See our web site at [www.scbt.com](http://www.scbt.com) for detailed protocols and support products.