



## Parvovirus (7351): sc-58180

### 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 (7351) is a mouse monoclonal antibody raised against 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 (7351) is recommended for detection of Parvovirus of Canine Parvovirus origin by solid phase ELISA (starting dilution 1:30, dilution range 1:30-1:3000).

Molecular Weight of Parvovirus: 84 kDa.

### 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.