

Poliovirus Type 1 (6F171): sc-71918

BACKGROUND

Polio (poliomyelitis), also referred to as infantile paralysis, is an infectious disease caused by a virus that is transmitted via the fecal-oral route. It may proceed to the blood stream and into the central nervous system causing muscle weakness and sometimes paralysis. The polio virus is a small RNA picorna-enterovirus that primarily infects the gastrointestinal associated lymphoid tissue (GALT). Mortality because of the polio virus, though very rare, is usually due to respiratory failure by paralysis of the intercostal muscles and diaphragm. Three separate types of this virus exist: Type 1, Type 2 and Type 3.

REFERENCES

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- Falleiros Carvalho, L.H. and Weckx, L.Y. 2006. Universal use of inactivated polio vaccine. *J. Pediatr.* 82: S75-S82.

SOURCE

Poliovirus Type 1 (6F171) is a mouse monoclonal antibody raised against inactivated Poliovirus Type 1.

RESEARCH USE

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

PRODUCT

Each vial contains 100 µg IgG_{2b} kappa light chain in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

APPLICATIONS

Poliovirus Type 1 (6F171) is recommended for detection of Poliovirus Type 1 by solid phase ELISA (starting dilution 1:30, dilution range 1:30-1:3000).

SELECT PRODUCT CITATIONS

- Bockstal, V., Tiemessen, M.M., Achterberg, R., Van Wordragen, C., Knaapen, A.M., Serroyen, J., Marissen, W.E., Schuitemaker, H. and Zahn, R. 2018. An inactivated poliovirus vaccine using Sabin strains produced on the serum-free PER.C6[®] cell culture platform is immunogenic and safe in a non-human primate model. *Vaccine* 36: 6979-6987.

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.