

# Marburg Virus (FM32): sc-52068

## BACKGROUND

Marburg Virus (MBG) represents one of the least known of the hemorrhagic fever-causing viruses worldwide. It is a member of the *Filoviridae* family of RNA-containing viruses. Marburg Virus has long threadlike particles that vary greatly in length with a range of 800 nm up to 14,000 nm. It is an exceptionally dangerous pathogen that causes a contagious and highly lethal febrile disease and hemorrhagic syndrome called Marburg haemorrhagic fever.

Victims experience a high fever, diarrhea, vomiting and severe bleeding from bodily orifices, and usually die within one week. For a patient who does survive, recovery is prolonged and usually includes inflammation or infection of various organs, including the testicles, liver, spinal cord, eyes and/or salivary glands. Both the disease and the virus are related to Ebola and originated in the same part of Africa.

## REFERENCES

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## SOURCE

Marburg Virus (FM32) is a mouse monoclonal antibody raised against purified and inactivated Marburg virus.

## PRODUCT

Each vial contains 100 µg IgG<sub>1</sub> in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

## APPLICATIONS

Marburg Virus (FM32) is recommended for detection of high molecular weight material under non-reducing conditions and 30K protein band under reducing conditions of Marburg Virus origin by Western Blotting (starting dilution 1:200, dilution range 1:100-1:1000).

Molecular Weight of Marburg Virus: 30 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.