# SANTA CRUZ BIOTECHNOLOGY, INC.

# LCMV (M104): sc-57894



### BACKGROUND

Lymphocytic choriomeningitis virus (LCMV) is a member of the family *Arena-viridae* that causes a rodent-borne viral infectious nonbacterial/aseptic meningitis, encephalitis or meningoencephalitis. LCMV is a reverse strand single stranded RNA virus that is naturally spread by the common house mouse. Since the virus is somewhat resistant to drying effects, humans can become infected by inhaling infectious aerosolized particles of rodent urine, feces or saliva; by ingesting food contaminated with the virus; by contamination of mucus membranes with infected body fluids; or by directly exposing cuts or other open wounds to virus-infected blood. The virus is usually only dangerous to those who are immunocompromised.

### REFERENCES

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#### SOURCE

LCMV (M104) is a mouse monoclonal antibody raised against full length LCMV.

## **STORAGE**

For immediate and continuous use, store at 4° C for up to one month. For sporadic use, freeze in working aliquots in order to avoid repeated freeze/ thaw cycles. If turbidity is evident upon prolonged storage, clarify solution by centrifugation.

#### PRODUCT

Each vial contains 1.0 ml culture supernatant containing  $\text{IgG}_1$  with < 0.1% sodium azide.

### **APPLICATIONS**

LCMV (M104) is recommended for detection of LCMV infected cells (e.g. Vero, HeLa) of LCMV origin by Western Blotting (starting dilution to be determined by researcher, dilution range 1:10-1:200), immunofluorescence (starting dilution to be determined by researcher, dilution range 1:10-1:200) and solid phase ELISA (starting dilution 1:30, dilution range 1:30-1:3000).

#### SELECT PRODUCT CITATIONS

 Sun, Y., Lu, D., Yin, Y., Song, J., Liu, Y., Hao, W., Qi, F., Zhang, G., Zhang, X., Liu, L., Lin, Z., Liang, H., Zhao, X., Jin, Y. and Yin, Y. 2021. PTENα functions as an immune suppressor and promotes immune resistance in PTENmutant cancer. Nat. Commun. 12: 5147.

#### **RESEARCH USE**

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

#### PROTOCOLS

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