Alphavirus (3581): sc-58088

**BACKGROUND**

Alphavirus is a member of the group IV Togaviridae family of viruses that all have a positive sense single stranded RNA genome. Alphaviruses are enveloped with a 70 nm diameter, and they tend to be spherical in shape. The Alphavirus genome encodes for structural proteins Capsid protein C, Envelope glycoprotein E1, Envelope glycoprotein E2 and Envelope glycoprotein E3, as well as nonstructural proteins that are used during transcription and replication of viral RNA. Alphavirus infection in humans is characterized by arthritis, encephalitis, rashes and fever. Alphaviruses are useful in research as they are easily engineered to create replicon vectors which efficiently induce humoral and T cell immune responses. They may play a role in vaccinations against viral, bacterial, protozoan and tumour antigens.

**REFERENCES**


**SOURCE**

Alphavirus (3581) is a mouse monoclonal antibody raised against Alphavirus preparation.

**PRODUCT**

Each vial contains 100 µg IgG2a in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

**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.

**APPLICATIONS**

Alphavirus (3581) is recommended for detection of Alphavirus of Alphavirus origin by solid phase ELISA (starting dilution 1:30, dilution range 1:30-1:3000).

**SELECT PRODUCT CITATIONS**


**PROTOCOLS**

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