



TGE Virus (8003): sc-66087

BACKGROUND

Coronavirus is a genus of animal virus that belongs to the family *Coronaviridae*. Coronaviruses are enveloped viruses with a positive-sense single-stranded RNA genome and a helical symmetry that resemble a crown when viewed under an electron microscope. Coronaviruses primarily infect the upper respiratory and gastrointestinal tract of mammals and birds. Transmissible gastroenteritis (TGE) virus, a coronavirus, causes an acute infection of the small intestine of the pig. The disease is rarely fatal in adult animals but can cause extensive mortality in the neonate and is characterized by profuse diarrhea and vomiting. The TGE virus peplomer protein is involved in membrane fusion and mediates the binding of virions to the host cell receptor.

REFERENCES

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SOURCE

TGE Virus (8003) is a mouse monoclonal antibody raised against TGEV-infected ST cells.

PRODUCT

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

APPLICATIONS

TGE Virus (8003) is recommended for detection of Transmissible Gastroenteritis Virus by solid phase ELISA (starting dilution 1:30, dilution range 1:30-1:3000); non cross-reactive with FIPV, FeCV or CCV.

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 for detailed protocols and support products.