

Vesicular Stomatitis Virus (VSV) antibody

Product Description

Product Name: Vesicular Stomatitis Virus (VSV) antibody
Catalog Number: REA005
Lot Number: IM04
Unit Size: 250 μ L
Species: Rabbit
Antigen: VSV-hIFN β
Isotype: Polyclonal
Reactivity: VSV

This is a rabbit polyclonal antibody is raised against a recombinant Indiana strain of Vesicular Stomatitis Virus (VSV) encoding human interferon beta (VSV-hIFN β). The antibody detects the VSV G, N, and M proteins.

Storage Instructions

This antibody can be stored short term (1-2 weeks) at 2-6°C. For longer term storage, aliquot and store at or below -20°C. Avoid repeated freeze/thaw cycles.

Recommended Uses

The VSV antibody is suitable for a number of different applications, including:

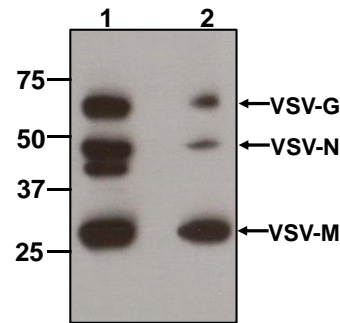
- Immunoblot (1:8000-1:10,000 dilution)
- Immunofluorescence (1:1500-1:3000 dilution)
- Immunohistochemistry (1:5000-1:10,000 dilution)
- Flow cytometry (1:10,000 dilution)
- ELISA (1:2000-1:4000 dilution to detect 1×10^7 TCID₅₀)
- Antibody neutralization (see below)

The VSV antibody has been tested for neutralization against VSV-GFP. The neutralizing titer is 1:2560 for complete inhibition of 400 TCID₅₀ units of VSV-GFP on Vero cells.

Certificate of Analysis

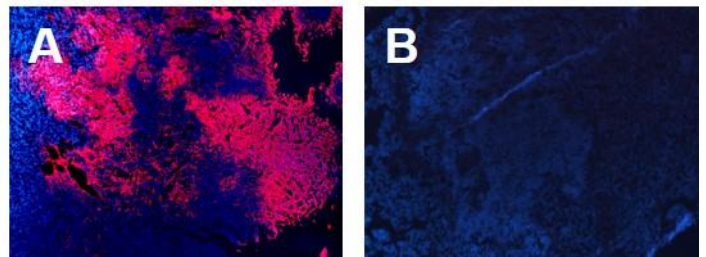
Testing performed by Imanis Life Sciences

Immunoblot



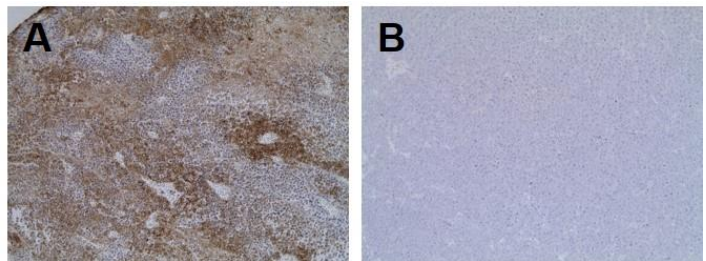
Lysates prepared from VSV-GFP-infected (lane 1) Vero cells or VSV-GFP particles (lane 2) were subjected to SDS-PAGE/ immunoblot using anti-VSV antibody (1:10,000 dilution) and HRP-conjugated anti-rabbit secondary antibody.

Immunofluorescence



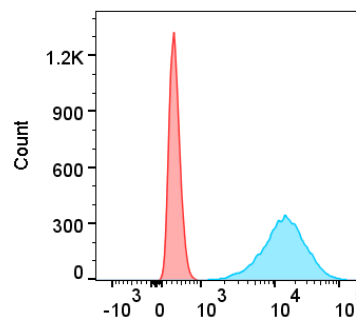
VSV-mIFN β -NIS- (left) or saline- (right) treated tumor xenografts were stained with VSV antibody (1:1500 dilution) followed by an Alexa Fluor 594-conjugated anti rabbit secondary antibody.

Immunohistochemistry



VSV-mIFN β -NIS- (left) or saline- (right) treated tumor xenografts were stained with VSV antibody (1:5000 dilution). Counterstain is hematoxylin.

Flow Cytometry



VSV-GFP-infected Vero cells were fixed with paraformaldehyde and stained with prebleed antiserum (red) or anti-VSV antibody (blue; dilution 1:10,000) followed by an Alexa Fluor 594-conjugated secondary antibody. The stained cells were subjected to flow cytometry analysis.

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