

Mouse anti-SUDV GPdTM mAb antibody (2H5)

Catalog #: 0202-029

Description:

Protein G purified mouse monoclonal antibody reactive to SUDV glycoprotein (GP). The antibody detects glycoprotein in virus-like particles (VLP) and SUDV glycoprotein without the transmembrane region (rGPdTM).

Immunogen/ Target:

Purified recombinant Sudan Virus (SUDV) glycoprotein lacking the transmembrane region.

Formulation & Storage: Supplied in PBS in frozen format with no preservatives added. **Store at +4°C** for 2-3 weeks; **-80°C** for long-term

Notes & Usage Guidelines:

Clonality/Isotype: Monoclonal; IgG1

Host: Mouse

ELISA: Assay-dependent dilution

WB: Assay-dependent dilution

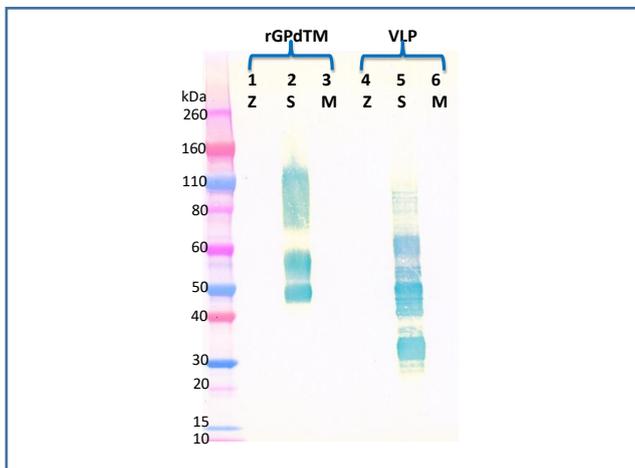
Applications

Western Blot Data:

Western blots were detected under reduced conditions with anti-SUDV GP 2H5 at 0.5 µg/mL and visualized using an anti-mouse IgG-HRP conjugate and TMB Membrane substrate. GP is visualized in SUDV rGPdTM (lane 2) and in Baculovirus-expressed SUDV VLP (lane 5). No cross-reactivity with EBOV or MARV GP was observed.

ELISA Data:

rGPdTM proteins and VLPs were diluted to 1 µg/mL and 10 µg/mL, respectively, in PBS for plate coating. Anti-SUDV GP antibody 2H5 was serially diluted semi-log from 10 µg/mL and incubated on the coated plates. Washed plates were detected with anti-mouse IgG-HRP conjugate and TMB substrate. OD₆₅₀ is reported below.



| 2H5 mouse mAb (µg/mL) | EBOV rGPdTM @ 1 µg/mL | SUDV rGPdTM @ 1 µg/mL | MARV rGPdTM @ 1 µg/mL | EBOV VLP @ 10 µg/mL | SUDV VLP @ 10 µg/mL | MARV VLP @ 10 µg/mL |
|-----------------------|-----------------------|-----------------------|-----------------------|---------------------|---------------------|---------------------|
| 10.0000 | 0.869 | 3.462 | 0.147 | 0.885 | 3.553 | 0.339 |
| 3.1623 | 0.370 | 3.546 | 0.091 | 0.375 | 3.566 | 0.163 |
| 1.0000 | 0.168 | 3.550 | 0.076 | 0.171 | 3.562 | 0.097 |
| 0.3162 | 0.095 | 3.393 | 0.083 | 0.100 | 3.323 | 0.074 |
| 0.1000 | 0.121 | 3.058 | 0.132 | 0.071 | 3.023 | 0.064 |
| 0.0316 | 0.071 | 2.425 | 0.094 | 0.069 | 2.241 | 0.067 |
| 0.0100 | 0.090 | 1.560 | 0.080 | 0.078 | 1.248 | 0.068 |
| 0.0032 | 0.114 | 0.806 | 0.111 | 0.069 | 0.553 | 0.071 |
| 0.0010 | 0.114 | 0.351 | 0.121 | 0.091 | 0.242 | 0.088 |
| 0.0003 | 0.104 | 0.197 | 0.102 | 0.078 | 0.138 | 0.086 |
| 0.0001 | 0.140 | 0.136 | 0.145 | 0.088 | 0.099 | 0.086 |
| 0.0000 | 0.107 | 0.109 | 0.099 | 0.078 | 0.085 | 0.083 |

Certificate of analysis:

A hardcopy of datasheet is sent along with the products. Please refer to it for detailed information. For older lots, refer to the applicable certificate of analysis that may be requested at products@ibtbioservices.com.

Related Products:

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