

AM06088SU-N**Monoclonal Antibody to SARS M - Supernatant****Alternate names:**

SARS CoV E1 glycoprotein

Quantity:

0.1 ml

Background:

SARS (severe acute respiratory syndrome) is caused by a human coronavirus. Human coronaviruses are the major cause of upper respiratory tract illness, such as the common cold, in humans. Coronaviruses are positive-stranded RNA viruses, featuring the largest viral RNA genomes known to date (27-31 kb). The complete sequence of the SARS virus release the coronavirus contains 25 open reading frames. SARS-m is a membrane (M) protein which plays a the key player in virion assembly. One of its functions is to mediate the incorporation of the spikes into the viral envelope.

Host / Isotype:

Mouse / IgG1

Clone:

2H2C4

Immunogen:

Purified recombinant fragment of SARS-m protein expressed in E. Coli.

Format:**State:** Subclonal Supernatant**Applications:****ELISA:** 1/10000.**Western Blot:** 1/500 - 1/2000.

Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.

Specificity:

Recognizes SARS-M

Species Reactivity:**Tested:** Human coronavirus**Storage:**

Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer.

Avoid repeated freezing and thawing.

Shelf life: one year from despatch.

General Readings:

1. Fournel S, Morel P, Revillard JP, Lizard G, Bonnefoy-Berard N. Inhibition of human T cell response to staphylococcal enterotoxin B by prior ligation of surface CD4 molecules. Cell Immunol. 1993 Aug;150(1):194-204. PubMed PMID: 8102087.
2. de Haan CA, Smeets M, Vernooij F, Vennema H, Rottier PJ. Mapping of the coronavirus membrane protein domains involved in interaction with the spike protein. J Virol. 1999 Sep;73(9):7441-52. PubMed PMID: 10438834.

Pictures:

Western blot analysis using SARS-mpm antibody Cat.-No AM06088SU-N against SARS-mpm recombinant protein.

