OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850
UNITED STATES
Phone: +1-888-267-4436
Fax: +1-301-340-8606
techsupport@origene.com

OriGene Technologies GmbH
Schillerstr. 5
32052 Herford
GERMANY
Phone: +49-5221-34606-0
Fax: +49-5221-34606-11
info-de@origene.com

AM06087SU-N Monoclonal Antibody to SARS S - Supernatant

Alternate names: SARS CoV E2 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-E2 glycoprotein precursor is a 139-kDa glycoprotein. It contains a superantigen between residues 690 through 1050 which has relationship to T-cell Receptor alpha-beta V chain protein.

Host / Isotype: Mouse / IgG1

Clone: 4A6C9

Immunogen: Purified recombinant fragment of SARS-E2 glycoprotein precursor 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 E2

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. Marcinkiewicz J, Szymanowska Z, Mazurek A. [Immunoregulatory mechanisms of action of intravenous gammaglobulin in Kawasaki syndrome]. Przegl Lek. 1998;55(11):611-3. PubMed PMID: 10216377.

Pictures:

Western blot analysis using SARS-E2GP3 antibody Cat.-No AM06087SU-N against SARS-E2GP3 recombinant protein.