

## Monoclonal Antibodies

# Murine Monoclonal Antibody to the SARS Coronavirus (SARS CoV) Spike Protein

### ANTIGEN USED FOR IMMUNIZATION

We used inactivated whole SARS CoV (coronavirus) as antigen (courtesy of Dr. Anton Andonov, National Microbiology Laboratory, Winnipeg, Canada).

<i>Clone</i>	<i>Class</i>
F26G1	IgG2a/k
F26G6	IgG2b/k
F26G8	IgG2a/k
F26G18 <sup>a</sup>	IgG2b/k
F26G19 <sup>a</sup>	IgG2a/k

### METHOD OF IMMUNIZATION

For immunizations, 5–6-week-old female BALB/C mice were injected subcutaneously with 50  $\mu$ g of inactivated SARS-CoV with an equal part of Complete Freund's Adjuvant (CFA, H37 Ra; Difco), on day 1. On day 30 the mice received 50  $\mu$ g of purified SARS-CoV in Incomplete Freund's Adjuvant (IFA). On days 48 and 63, mice received 5  $\mu$ g in IFA. The mice received a final booster injection with 5  $\mu$ g of purified SARS virus 3 days prior to fusion. Mice were euthanised by anaesthesia overdose and exsanguinated by cardiac puncture. The spleens were excised under aseptic conditions.

### SPECIFICITY

SARS-CoV spike protein

### SOURCE

Murine

### FORMAT/PURITY

Supernatants

### PARENTAL CELL LINE USED FOR FUSION

P3X63 Ag8.653

### IMMUNOGEN

Whole inactivated TOR-3 SARS CoV

### SELECTION AND CLONING OF HYBRIDOMAS

Immunization of mice, removal of spleens, preparation of spleen and myeloma cells, fusion and screening for monoclonal antibody to SARS were performed according to NCFAD standard operating procedures under ISO17025. Hybridomas were cloned out in semisolid medium. Supernatants were screened via ELISA using purified virus as antigen. Isotyping was performed using a commercial dipstick test (Roche) according to the manufacturer's instructions.

### ANTIGEN REACTIVITY

EIA, Western, IFA, IHC

### APPLICATIONS

EIA, IHC, Western, IFA, cELISA, VN<sup>a</sup>

### METHOD OF IMMUNIZATION

s.q.

**STORAGE**

Frozen, -20

**MEDIA**

BD Cell Quantum Yield

**AVAILABILITY**

Supernatant      Yes ✓    No

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