



# TECH DATA SHEET

## SARS-CoV-2 Neutralizing Antibody

In

### DESCRIPTION

<b>Product</b>	SARS-CoV-2 neutralizing monoclonal antibody*
<b>Catalog Number</b>	IM-COV2-F06
<b>Lot Number</b>	04122022-A01
<b>Isotype</b>	Human IgG1
<b>Source</b>	Recombinant human
<b>Immunogen</b>	SARS-CoV-2 Wuhan-Hu-1 Spike RBD
<b>Purification Method</b>	Protein A
<b>Amount</b>	100 µg (100 µL)
<b>Protein Concentration</b>	1 mg/mL
<b>Applications</b>	Flow cytometry (working concentration 1-10 µg/mL), neutralization assay**
<b>Storage Buffer</b>	Sterile-filtered, endotoxin-free, PBS buffer. Does not contain carrier protein or preservatives.

### SAFETY & HANDLING

#### Safety

Antibodies are biological materials and should be handled with caution within a biological laboratory environment. Antibodies are for research only and should not be used for therapeutic or diagnostic purposes.

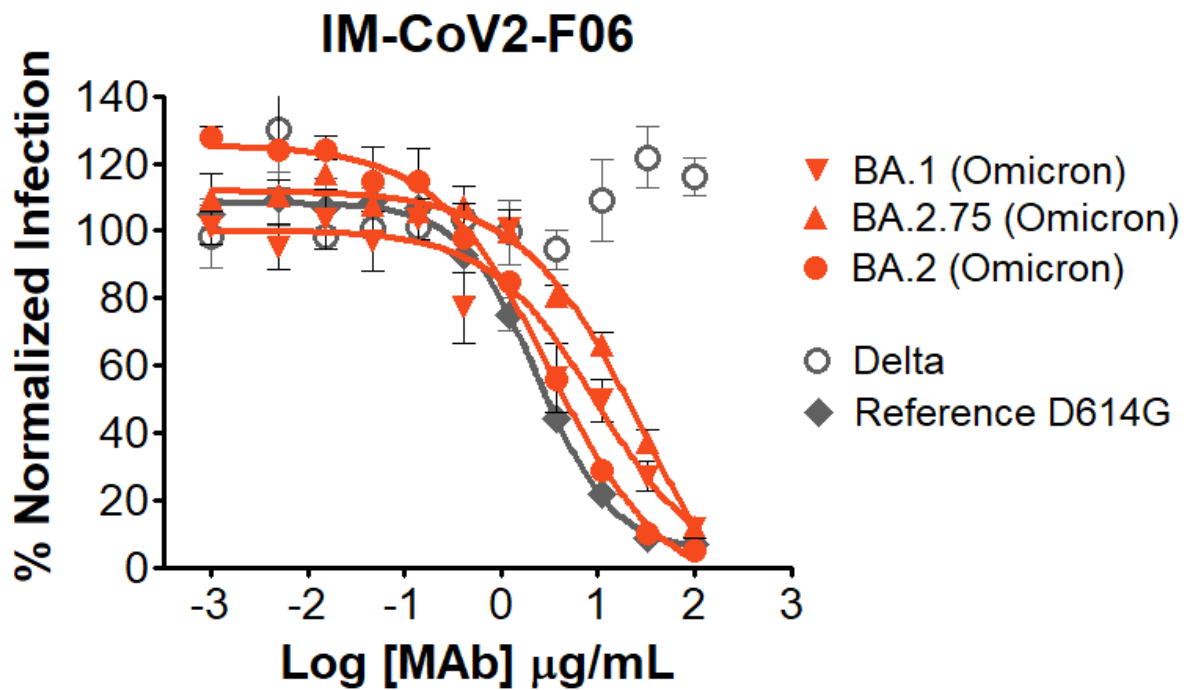
#### Stability and Storage

Upon receipt, store at 4°C

\* This monoclonal antibody has been shown to neutralize Wuhan-Hu-1, D614G, Alpha, and Omicron variants BA.1, BA.1.1, and BA.2. This clone weakly neutralizes Omicron variant BA.2.75 and does not neutralize Omicron variant BA.4/5.

\*\*Optimal working concentrations for each assay should be established by a titration experiment performed by the end user.

## NEUTRALIZATION DATA



IC <sub>50</sub> Values	
SARS-CoV-2 Variant	NT <sub>50</sub> ( $\mu\text{g/mL}$ )
Omicron BA.1	9.33
Omicron BA.2	3.15
Omicron BA.2.75	>25
Delta	NA
D614G	2.40

Neutralization experiments were conducted using 5 $\mu\text{L}$  of SARS-CoV-2 RVPs (Omicron BA.1, INTG Cat # RVP 768G; Omicron BA.2, INTG Cat # RVP 770G; Omicron BA.2.75, INTG Cat # RVP 776G; Delta, INTG Cat # RVP 763G; D614G, INTG Cat # RVP 702G) in a 384-well plate using HEK-293T monoclonal cells stably overexpressing ACE2 (INTG Cat # C-HA102).

GFP positive cells were detected with an Intellicyt iQue flow cytometer using the BL-1 channel (Ex. 488 nm, Em. 530 nm).