



TECH DATA SHEET

SARS-CoV-2 Neutralizing Antibody

DESCRIPTION

Product	SARS-CoV-2 neutralizing monoclonal antibody*
Catalog Number	IM-COV2-G06
Lot number	01192022-B02
Isotype	Human IgG1
Source	Recombinant human
Immunogen	SARS-CoV-2 Wuhan-Hu-1 Spike RBD
Purification Method	Protein A
Amount	100 µg (100 µL)
Protein Concentration	1 mg/mL
Applications	Flow cytometry (working concentration 1-10 µg/mL), neutralization assay**
Storage Buffer	Sterile-filtered, endotoxin-free, PBS buffer. Does not contain carrier protein or preservatives.

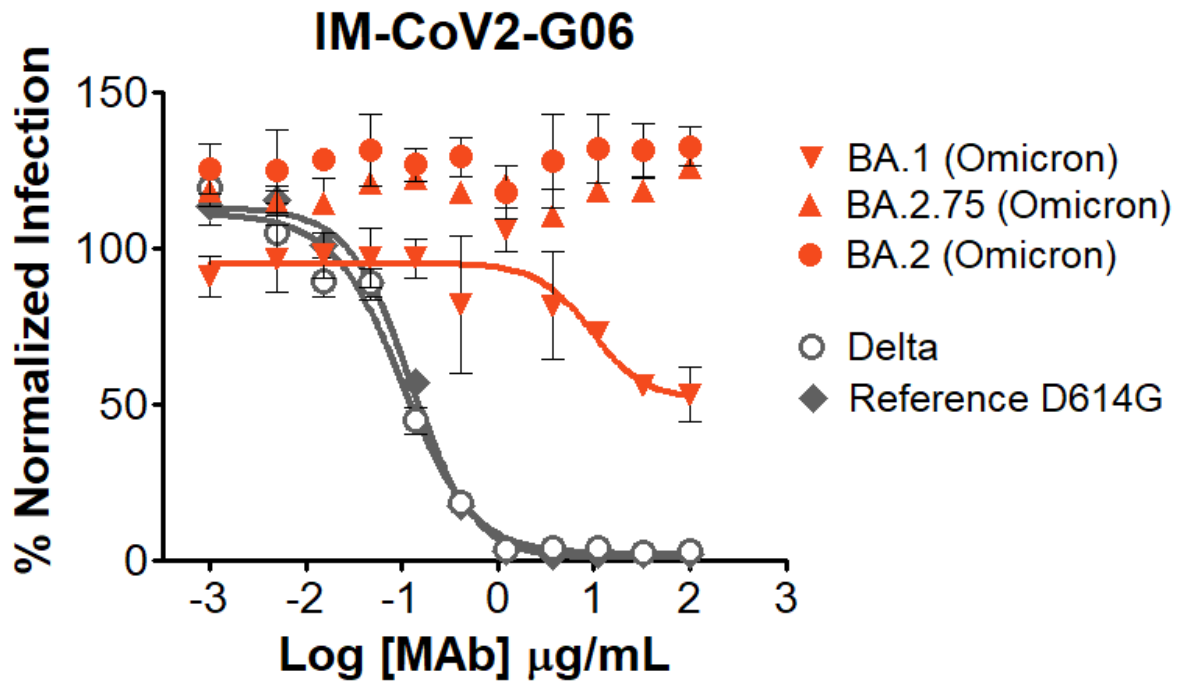
SAFETY & HANDLING

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 Delta. This clone weakly neutralizes Omicron variants BA.1 and BA.1.1.

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

NEUTRALIZATION DATA



IC ₅₀ Values	
SARS-CoV-2 Variant	NT ₅₀ ($\mu\text{g/mL}$)
Omicron BA.1	NA
Omicron BA.2	NA
Omicron BA.2.75	NA
Delta	0.10
D614G	0.13

Neutralization experiments were conducted using 5 μL 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).