

Monoclonal Anti-SARS-Related Coronavirus 2 Full-Length Spike Protein, Clone 5AA7 (produced *in vitro*)

Catalog No. NR-56784

Product Description:

Antibody Class: IgG1κ

Mouse monoclonal antibody prepared against the full-length spike (S) glycoprotein of severe acute respiratory syndrome-related coronavirus 2 (SARS-CoV-2), Wuhan-Hu-1 was purified from hybridoma clone 5AA7 supernatant by protein G affinity chromatography. The B cell hybridoma was generated by the fusion of Sp2/0 mouse myeloma cells with splenocytes from BALB/c mice immunized with recombinant purified S protein.

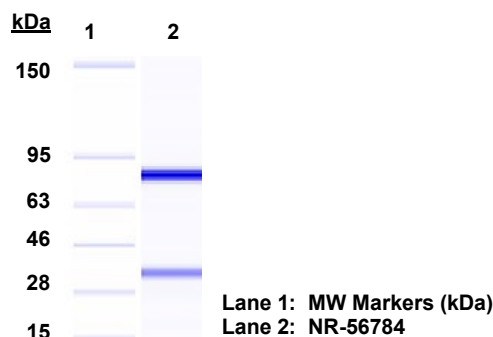
Lot: 70052610

Manufacturing Date: 07SEP2022

TEST	SPECIFICATIONS	RESULTS
Antibody Class Determination	IgG1κ	IgG1κ
Agilent® Protein 230 Analysis	Correct molecular weight (MW) for heavy and light chains; Report purity	Correct molecular weight (MW) for heavy and light chains (Figure 1); 99.7% pure
Concentration by Spectrophotometer at OD ₂₈₀	~ 1 mg/mL	1.3 mg/mL
Functional activity ELISA	Report results	Reactive ¹
Sterility	0.22 µm filter-sterilized	0.22 µm filter-sterilized

¹Using a 1:5000 dilution of NR-56784 as primary antibody and a 1:10,000 dilution of HRP-conjugated anti-mouse IgG (Bethyle Lab A90-144P) as secondary antibody. ELISA was tested against full-length S protein.

Figure 1: Agilent® Protein 230 Analysis



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