

**Monoclonal Anti-SARS-Related Coronavirus 2 Spike Glycoprotein Receptor Binding Domain (RBD), Clone 2TP1F2 (produced *in vitro*)**

**Catalog No. NR-55299**

This reagent is the property of the U.S. Government.

**Product Description:**

Antibody Class: IgG1κ

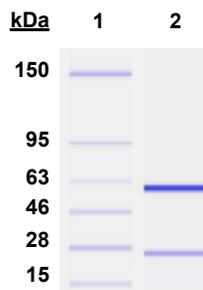
Monoclonal antibody prepared against the severe acute respiratory syndrome-related coronavirus 2 (SARS-CoV-2) spike (S) glycoprotein receptor binding domain (RBD) was purified from clone 2TP1F2 hybridoma supernatant by protein G affinity chromatography. The B cell hybridoma was generated by the fusion of Sp2/0 mouse myeloma cells with splenocytes from immunized mice.

**Lot: 70043403**

**Manufacturing Date: 23MAY2021**

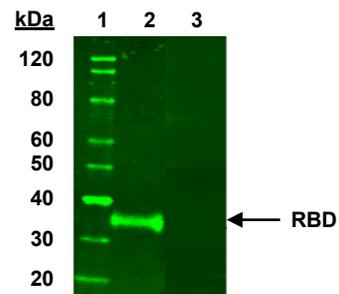
TEST	SPECIFICATIONS	RESULTS
Antibody Class Determination	IgG1κ	IgG1κ
Agilent Protein 230 Analysis	Correct molecular weight (MW) for heavy and light chains; Report purity	Correct molecular weight (MW) for heavy and light chains (Figure 1); 98.2% pure
Concentration by Spectrophotometer at OD <sub>280</sub>	~ 1 mg per mL	1.05 mg per mL
Functional Activity by Western Blot RBD protein (BEI Resources NR-52306)	Reactive	Reactive (Figure 2)
Sterility	0.22 μm filter-sterilized	0.22 μm filter-sterilized

**Figure 1: Agilent Protein 230 Analysis**



Lane 1: Molecular Weight Markers  
Lane 2: NR-55299

**Figure 2: Functional Activity by Western Blot**



Lane 1: MagicMark™ XP Protein Standard  
Lane 2: NR-55299  
Lane 3: NR-53740 (Negative control)

/Heather Couch/

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Program Manager or designee, ATCC Federal Solutions

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