

Detection of SARS-CoV-2 Receptor-Binding Domain Antibody using a HiBiT-Based Bioreporter

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Materials

Name	Company	Catalog Number	Comments
5x Passive Lysis Buffer	Promega	E194A	30 mL
Bio-Plex Handheld Magnetic Washer	Bio-Rad	171020100	
DMEM	Sigma	D6429-500ml	
Dual-Glo luciferase Assay System	Promega	E2940	100 mL kit
Fetal Bovine Serum (FBS)	Sigma	F1051	
HiBiT-RBD Plasmid			gacggatcgggagatctccgatccctatggtgcactctcagtagacaatctgctgatgcccagataagccagtagtctcctgctgtgtgttgagggtcgctgtagtagtgcgcgagcaaaatttagctacaacaaggcaaggcttgaccgacaaatgcatgaagaatctgcttagggtaggcgtttgctgctctcgcatgtacggccagataacgcgttgacattgattgactagtattataatagtaatcaattacggggtcattagttcatagcccatatatggagttccgctgacataactacggtaaatggcccgctggctgacggcccaacgaccccgccattgacgtcaataatgacgtatgttccatagtaacgccaataggactttccattgacgtcaatgggtggagtagttacggtaaacgcccacttgccagtagacatcaagtagtatcatatgccaagtagccccctattgacgtcaatgacggtaaatggcccgctggcattatgcccagtagacacattatgggactttctacttgccagtagacatctacgtatagtagcatcgctattaccatggtagtcgggtttggcagtagacatcaatggcgtagtagcggtttgactcacggggattccaagtctccacccattgacgtcaatgggagttgtttggcaccacaaataacgggactttccaaatgtcgtacaaactccgccccattgacgcaaatggcgtaggcgtgtacgggtggaggtctatataagcagagctctctgctaactagagaacccactgcttactggcttatcgaaattaacgactcactataggagacccaaagctggtagcggttaaaactaagcttgtagccgaactcgatccgcccaccATGGAGACAGACACTCCTGCTATGGGTACTGCTGCTCTGGGTTCCAGGTTCCACGGTGACTctggcttagcggtctgctct

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LgBiT	Promega	N3030	
penicillin Streptomycin	Thermo Fisher Scientific	15140122	
Pierce Protein G Magnetic Beads	Thermo Fisher Scientific	88848	
PolyJet In Vitro DNA Transfection Reagent	Signagen	SL100688.5	
SARS-CoV-2 (2019-nCoV) Spike Neutralizing Antibody, Mouse Mab	SinoBiological	40592-MM57	
Synergy Mx Microplate Reader	BioTek		96-well plate reader luminometer
Trypsin-EDTA	Thermo Fisher Scientific	2520056	0.25%