MCE® MedChemExpress

Certificate of Analysis

SARS-CoV-2 S Protein RBD (HEK293)

Cat. No.:	HY-P73396
Batch No.:	205166
Species:	Virus
Source:	*HEK293*
Tag:	Tag Free
Accession:	YP_009724390.1 (R319-F541)
Gene ID:	43740568
Molecular Weight:	approximately 34 kDa

ANALYTICAL DATA

TEST	Specifications	Results
Purity	Greater than 90% as determined by reducing SDS-PAGE.	96.10%
Endotoxin Level	<1 EU/μg, determined by LAL method.	PASS
Biological Activity	Measured by its binding ability in a functional ELISA. Immobilized SARS-CoV-2 S Protein RBD at 2 μg/mL (100 μL/well) can bind ACE2 Protein, Human (mFc) and the EC_{50} is 20-80 ng/mL.	PASS
Appearance	Lyophilized powder.	
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 μg/mL in ddH_2O.	
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer. It is recommended to freeze aliquots at -20°C or -80°C for extended storage.	
Shipping	Room temperature in continental US; may vary elsewhere.	

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: 609-228-6898 Fax: 609-228-5909 E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA