



TECHNICAL DATA SHEET

Ready Reporter Virus™ Kit

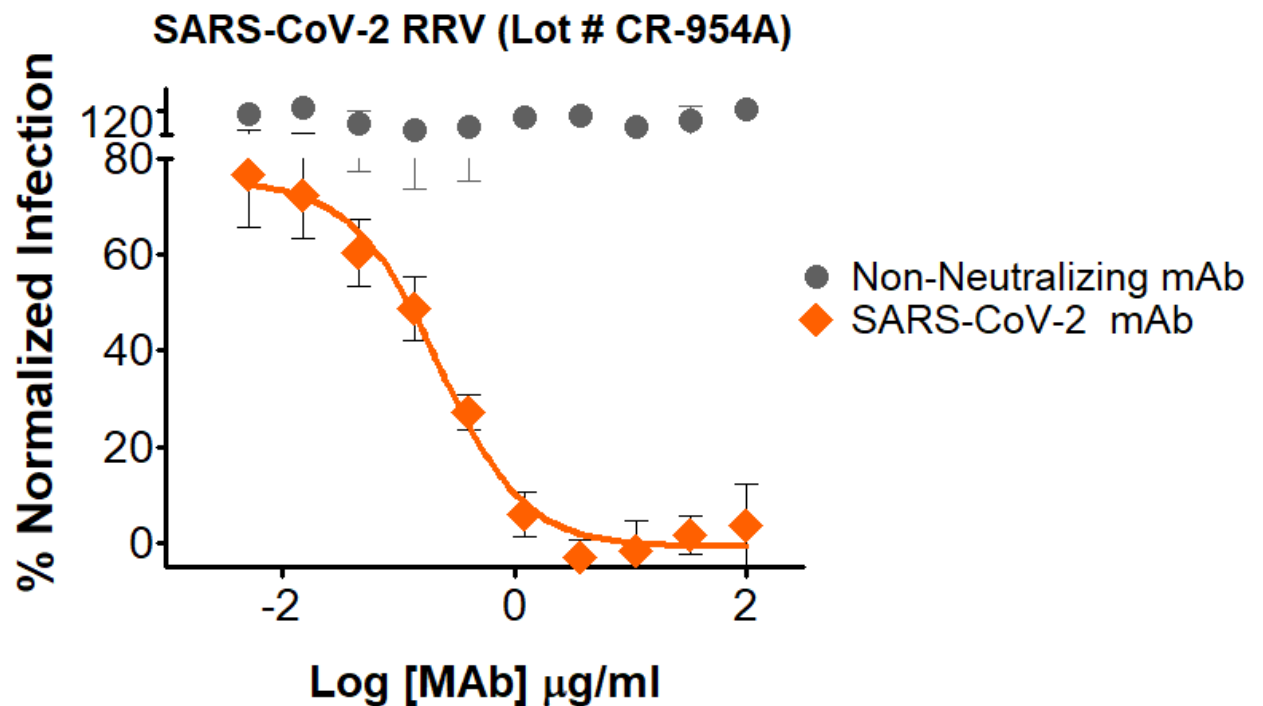
DESCRIPTION	
Product	SARS-CoV-2 Ready Reporter Virus™ (RRV) Kit
Catalog #	RRK-702
RRV Variant	D614G
Reporter	Fluorescent (FRET substrate) Ex. 409 nm, Em. 447/520 nm
Target Cells	HEK-293T hsACE2 Ready Reporter Virus target cells
Viral Titer	2.32 x 10 ⁵ TU/mL
Particle Input Volume	20µL per well (96-well plate)
Enhancer Input Volume (added to cells)	138µL
Storage & Stability	< -80°C upon receipt; storing Target Cells at <-150°C may prolong shelf life. Kit components are for single use. Re-freezing risks complete loss of viral activity and cell viability—avoid entirely.
Mycoplasma Test	Negative
Expiration	Three months from receipt

INDIVIDUAL COMPONENTS LIST		
Catalog #	Description	Lot Number
RRV-702	SARS-CoV-2 D614G RRV particles	CR-954A
C-HA201	HEK-293T hsACE2 RRV target cells	TA-051926-MC
RRE-100	100X Fusion Signal Enhancer	SE-981

(OPTIONAL COMPONENTS) CONTROL ANTIBODIES		
Catalog #	Description	Lot Number
IM-COV2-G06	SARS-CoV-2 Broadly Neutralizing Antibody	04222022-A03
IM-CKV063	Negative Control Antibody (Anti-Chikungunya virus)	01052021-A01

QC ASSAY FOR FUNCTIONAL KIT TESTING	KIT QC RESULT
Infectivity of SARS-CoV-2 RRV particles was determined in HEK-293T hsACE2 RRV target cells. Neutralization of SARS-CoV-2 RRV particles was performed with a broadly neutralizing monoclonal antibody and non-neutralizing monoclonal antibody.	PASS

NEUTRALIZATION DATA



RRV neutralization assay utilized 20 μL /well of SARS-CoV-2 D614G RRV particles in a 96-well plate. HEK-293T hsACE2 RRV target cells were infected with SARS-CoV-2 RRV particles. Infection was detected with an Intellicyt iQue flow cytometer using the VL-1 channel (Ex. 409 nm, Em. 447 nm). Data represents the average of three replicates.