



TECHNICAL DATA SHEET

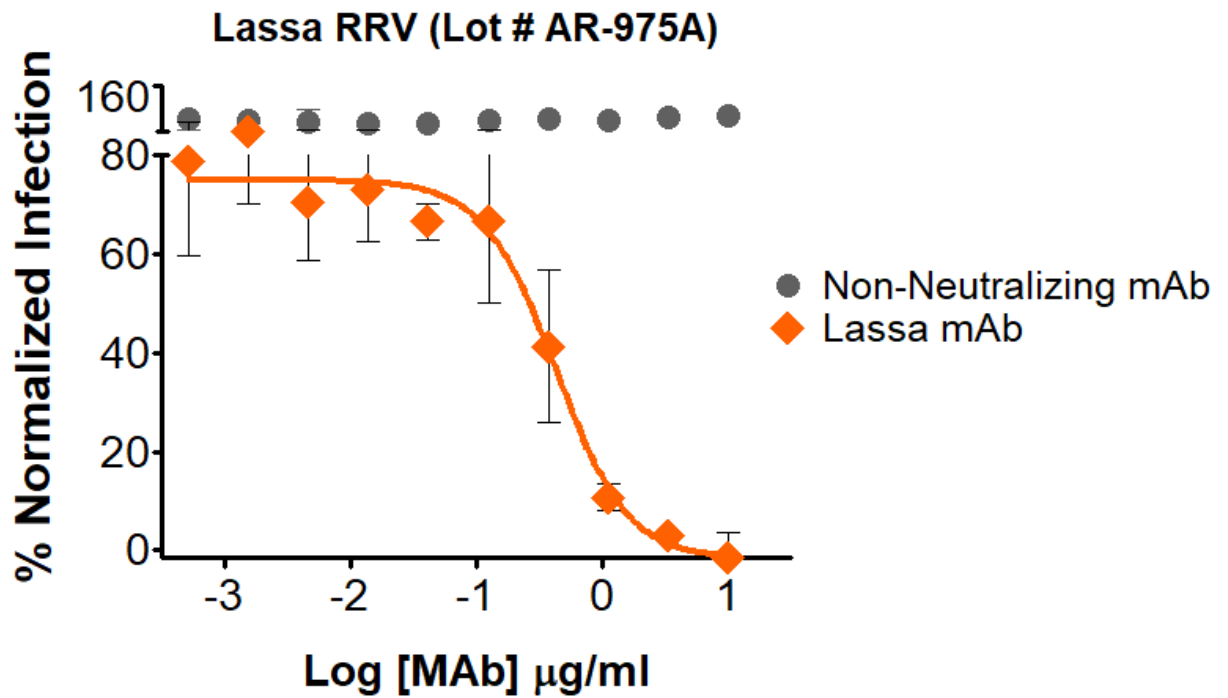
Ready Reporter Virus™ Kit

DESCRIPTION	
Product	Lassa Ready Reporter Virus™ (RRV) Kit
Catalog #	RRK-1901
RRV Strain	Josiah
Reporter	Fluorescent (FRET substrate) Ex. 409 nm, Em. 447/520 nm
Target Cells	HEK-293T Ready Reporter Virus target cells
Viral Titer	9.89 x 10 ⁵ TU/mL
Particle Input Volume	20 µL per well (96-well plate)
Enhancer Input Volume (added to cells)	35.8µL
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-1901	Lassa RRV particles	AR-975A
C-HEK202	HEK-293T RRV target cells	TA-032626-MC
RRE-100	100X Fusion Signal Enhancer	SE-981

QC ASSAY FOR FUNCTIONAL KIT TESTING	KIT QC RESULT
Infectivity of Lassa RRV particles was determined in HEK-293T RRV target cells. Neutralization of Lassa 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 Lassa RRV particles in a 96-well plate. HEK-293T RRV target cells were infected with Lassa 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.