

Table EV2: Reagents list

Product name	Cat. NO.	Company
DMEM	2320136	vivacell biosciences
FBS	10099141C	Gibco
Penicillin/Streptomycin Solution	MA0110	Meilunbio
Puromycin	HY-B1743A	MCE
Q5® Site-Directed Mutagenesis Kit	E0554S	NEB
Matrigel	354277	Corning
mTesR1	85850	STEMCELL
DMEM/F12	36254	STEMCELL
Trypsin-EDTA Solution	E607002	Sangon Biotech
Dispase	17105041	Invitrogen
Lipofectamine 3000	L3000015	Invitrogen
STEMdiff™ Intestinal Organoid Kit	05140	STEMCELL
Gentamicin	HY-A0276	MCE
Cells recovery solution	354253	Corning
Doxycycline	HY-N0565	MCE
CRD1	N/A	Cusabio
FITC conjugation kit	ab102884	Abcam
TRIzol	15596018	Invitrogen
Novel Coronavirus (2019-nCoV) Dual Probes qRT-PCR Kit	D8006M	Beyotime
Neuraminidase V	N2876	Sigma-Aldrich
Heparan Sulfate	HY-101916	MCE
Camostat	HY-13512	MCE
E-64d	HY-100229	MCE
Bafilomycin A1	HY-100558	MCE
MG132	HY-13259	MCE
Cycloheximide (CHX)	HY-12320	MCE
Recombinant SARS-CoV-2 Spike Protein	RP01262	Abclonal
Remdesivir	HY-104077	MCE
Bright-Lumi™ Firefly Luciferase Assay Kit	RG051S	Beyotime
Cell Counting Kit-8 Assay	MA0218-2	meilunbio
PrimeScript™ RT reagent Kit with gDNA Eraser	RR047A	Takara
SYBR Green PCR Master Mix	K0251	Thermo Scientific
O.C.T. Compound	4583	SAKURA
BSA	V900933	Sigma-Aldrich
Tween 20	P9416	Sigma-Aldrich
DAPI	10236276001	Sigma-Aldrich
Triton X-100	T8787	Sigma-Aldrich
CellMask™ Deep Red Plasma Membrane Stains	C10046	Invitrogen

RIPA lysis buffer	C500007	Sangon Biotech
PMSF	A610425	Sangon Biotech
Phosphatase inhibitors	C500017	Sangon Biotech
TaKaRa BCA Protein Assay Kit	T9300A	Takara
SuperSignal™ West Pico PLUS (ECL)	34580	Thermo Fisher
Cell surface protein biotinylation and isolation kit	A44390	Thermo Fisher
Trypsin	EMS0006	Sigma-Aldrich
Rapigest	186001860	Waters
Acetonitrile	34851	Sigma-Aldrich
Iodoacetamide	HY-34477	MCE
2,2' -thiodiethanol	719749	Sigma-Aldrich
PNGaseF	P0704S	New England Biolabs
TLCK	sc-201296	Santa cruz
Protein A/G-sepharose	80106G	Invitrogen
IFN-α	HY-P7022	MCE
IFN-β	HY-P7024	MCE
IFN-γ	HY-P7025	MCE
IFN-λ	HY-P73202	MCE
Propidium Iodide	537059	Sigma-Aldrich