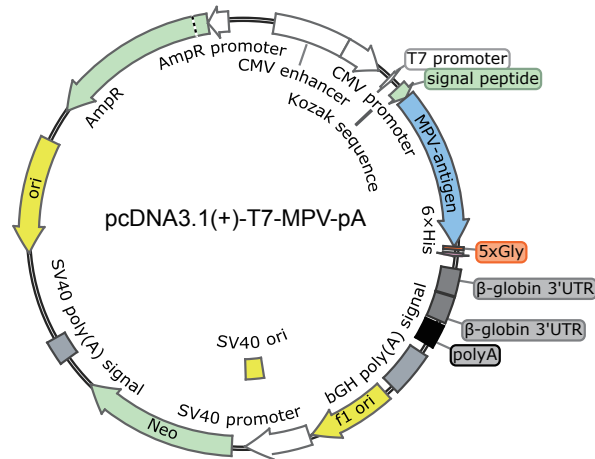


Figure S1

A



B

A35R (181aa) :

MMTPENDEEQTSVFSATVYGDKIQQGNKRKRVI GLCIRISMVISLLSMITMSAFLIVRLNQCMSANK
AAITDSAVAVAAASSTHRKVVSSTTQYDHKESCNGLYYQGSCYILHSDYKSFEDAKANCAAESSTL
PNKSDVLTWVLIDYVEDTWGSDGNPITKTTSDYQDSQSDVSQEVRYKFC

B6R (317aa) :

MKTISVVTLLCVLPVVYSTCTVPTMNNAKLTSTETSFNDKQKVTF TCDSGYHSLDPNAV CETDKW
KYENPCKKMCTVSDYVSELYDKPLYEVNSTMTLSCNGETKYFRCEEKNGNTSWNDTVTCPNAEC
QPLQLEHGSCQPVKEKYSFGEYMTINCDVGYEVIGVSYISCTANSWNVIPSCQQKCDIPSLNGLIS
GSTFSIGGVIHLSCKSGFTLTGSPSSCIDGKWNPIPTCVR SNEEFDPVDDGPDETDL SKLSKDV
VQYEQEI ESLEATYHIIIMALTIMGVIFLISIIVLVCSDKNNDQYKFHKL LP

A29L (110aa) :

MDGTLFPGDDDLAIPATEFFSTKAAKNPETKREAVKAYGDDNEETLKQRLTNLEKKITNITTKFEQI
EKCKRNDEVLFRLENHAETLRAAMISLAKKIDVQTGRHPYE

tPA sp-E8L_{IECD} (306aa) :

MDAMKRGLCCVLLLCGAVFVSPSQEI HARFRPQQLSPINIETKKAISDARLKTLDIHYNESKPTTIQ
NTGKLVRI NFKGGYISGGFLPNEYVLSTIHIYWGKEDDYGSNHLIDVYKYSGEINLVHWNKKKYSSY
EEAKKHDDGIIIIAIFLQVSDHKNVYFQKIVNQLDSIRSANMSAPFDSVFYLDNLLPSTLDYFTYLGTT
INHSADA AWIIFPTPINIHSDQLSKFRTLSSSNHEGKPHYITENYRNPYKLNDDTQVYYSGEIIRAAT
TSPVRENYFMKWLSDLREACFSYYQKYIEGNKT

tPA sp-H3L_{IECD} (291aa) :

MDAMKRGLCCVLLLCGAVFVSAAAVKTPVIVVPVIDRPPSETFPNVHEHINDQKFDDVKDNEVMQ
EKRDVVIVNDDPDHYKDYVFIQWTGGNIRDDDKYTHFFSGFCNTMCTEETKRNIARHLALWDSKF
FTELENKNVEYVVIENDNVIEDITFLRPVLKAIHDKKIDILQMREIITGNKVKTELVIDKDHAIFTYTG
YDVSL SAYIIRVTTALNIVDEI IKSGLSSGFYFEIARIENEMKINRQIMDNSAKYVEHDPRLVAEHRF
ETMKPNFWSRIGTVA AKRYP

tPA sp-L1R_{IECD} (207aa) :

MDAMKRGLCCVLLLCGAVFVSAMGAAASIQT VNTLSERISSKLEQEANASAQTKCDIEIGNFYIR
QNHGCNITVKNMCSADADAQLDAVLSAATETYSGLTPEQKAYVPAMFTAALNIQTSVNTVVRDFE
NYVKQTCNSSAVVDNKLKIQNVIIDECY GAPGSPTNLEFINTGSSKGNCAIKALMQLTTKATTQIAP
RQVAGTGVQ

Figure S1. Construction of expression vectors for MPV-antigens mRNA production.

A. The structure map of pcDNA3.1(+) expression vectors for MPV antigen genes.

B. Amino acid sequence of MPV antigens used in this study. IECD: integral extracellular domain.