

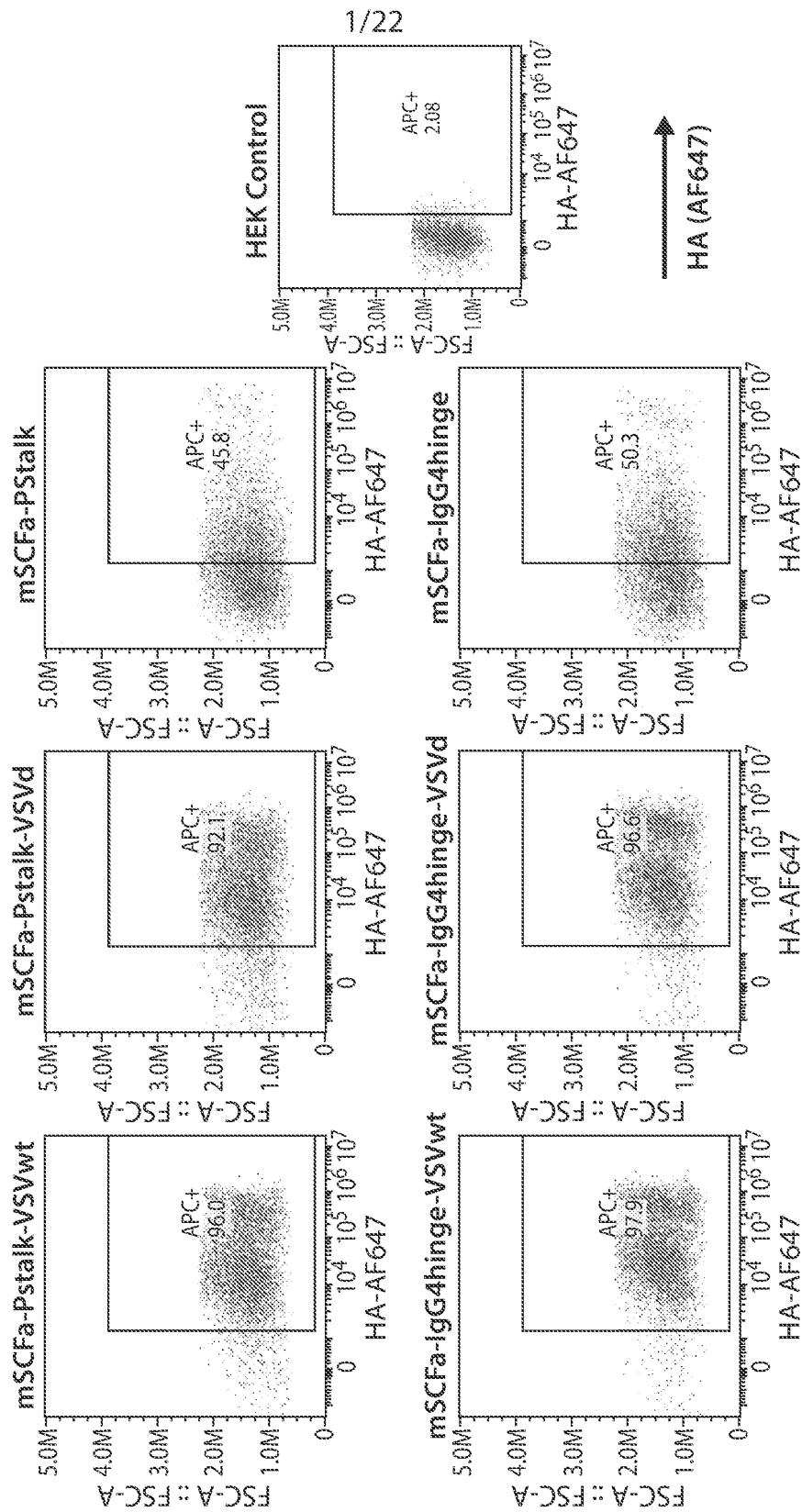
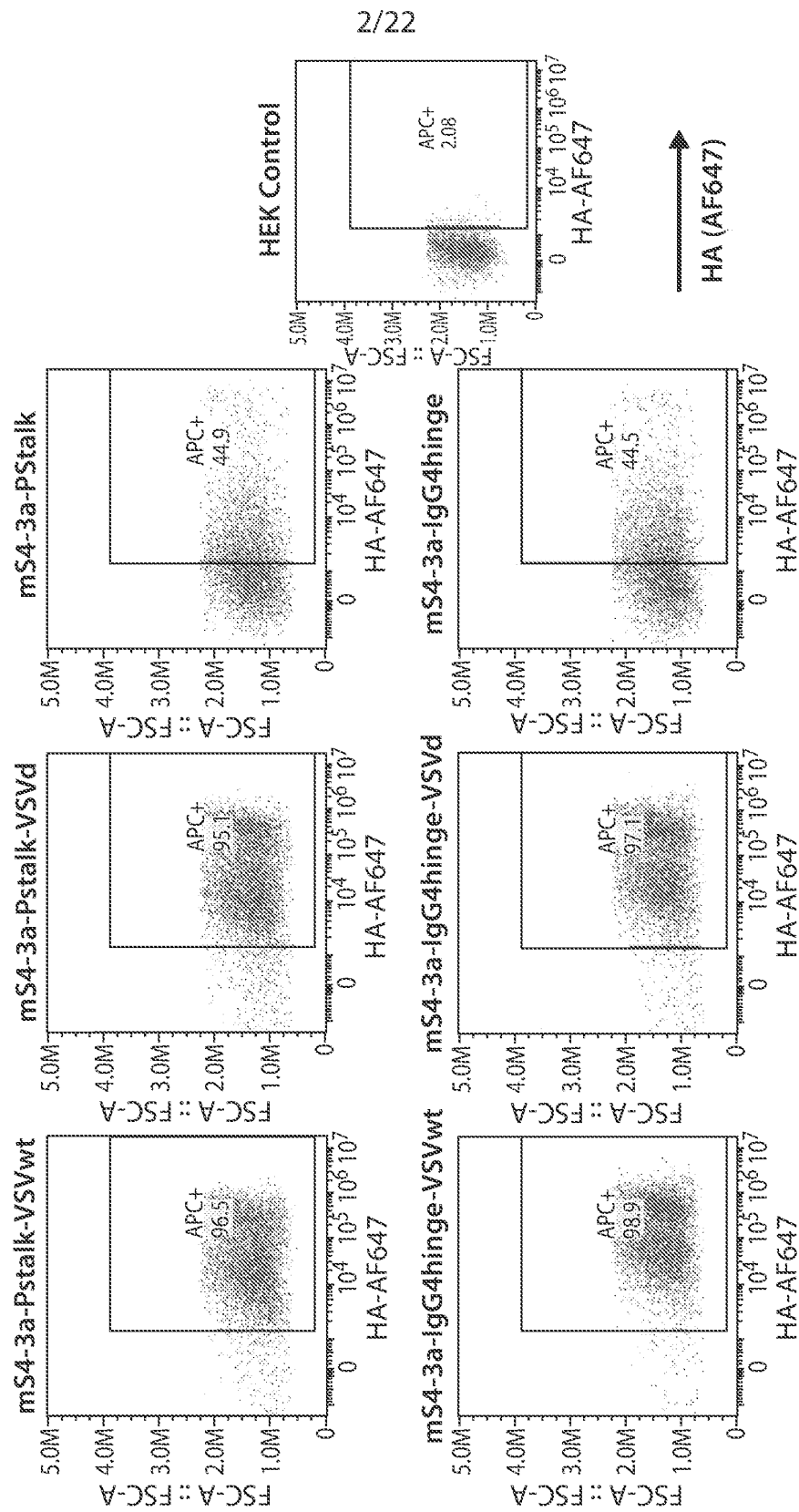


FIG. 1



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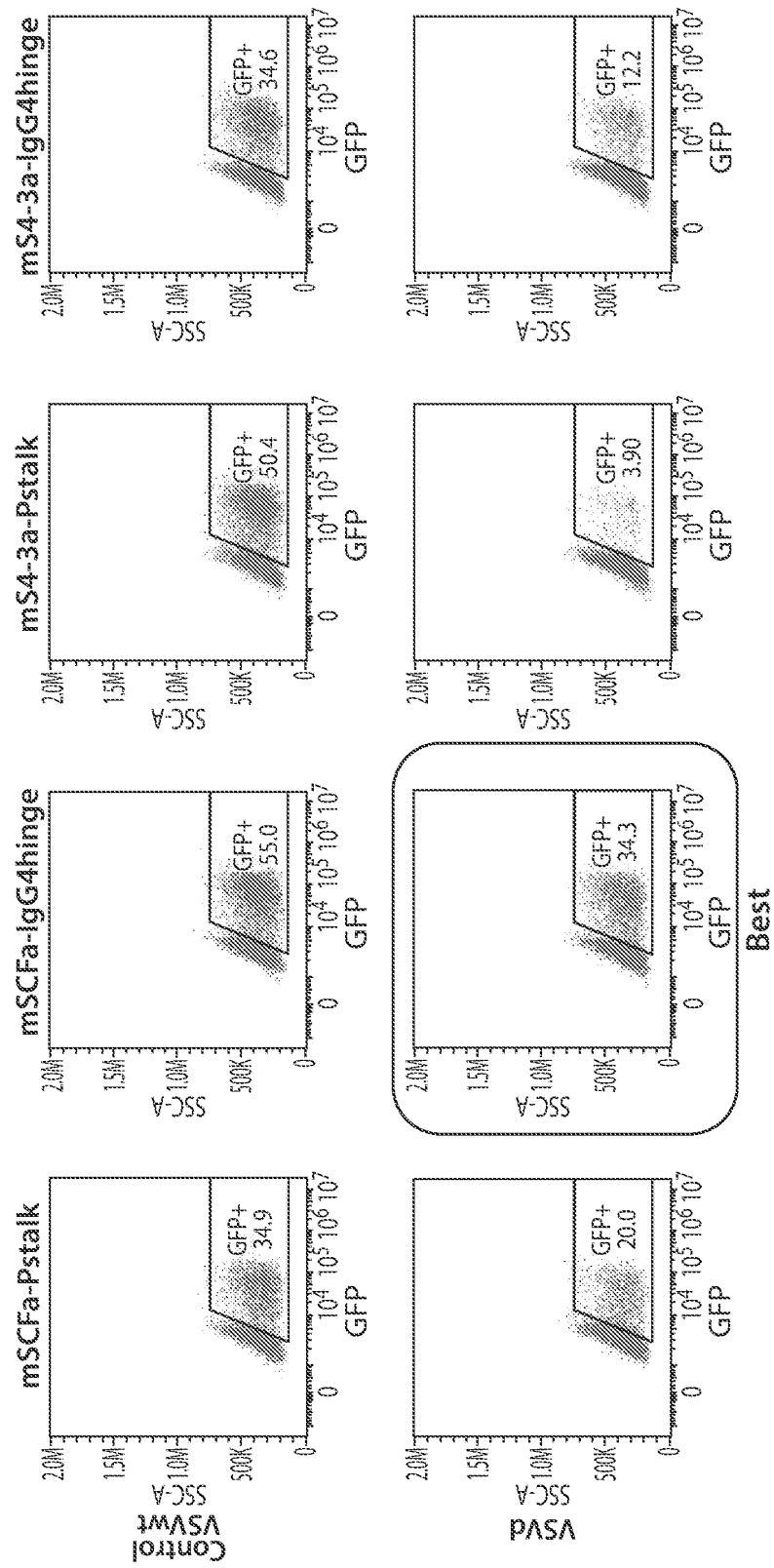


FIG. 3

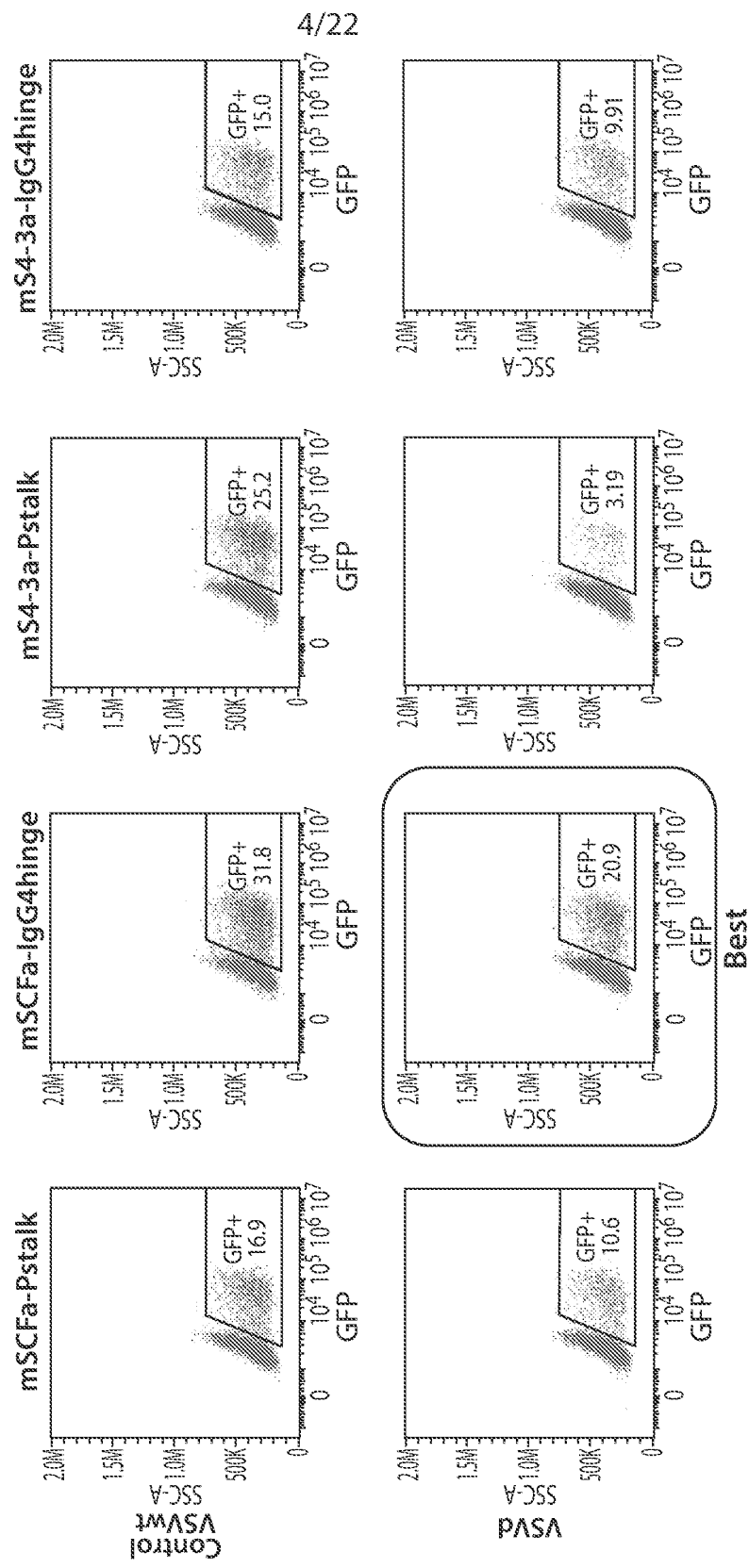


FIG. 4

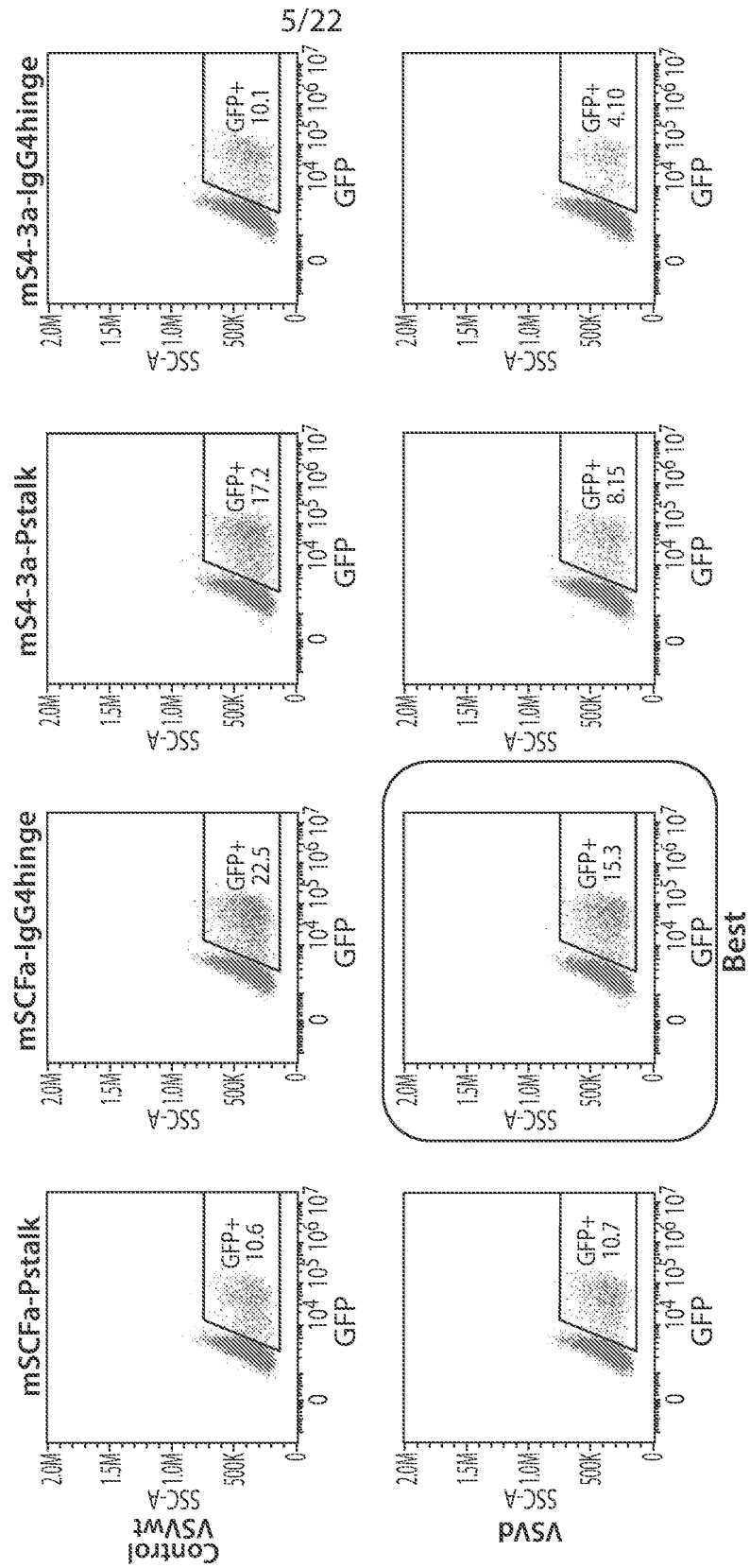


FIG. 5

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MC9 Cells: m4-3a-IgG4Hinge-VSVd Virus
Dose Titration +/- Polybrene

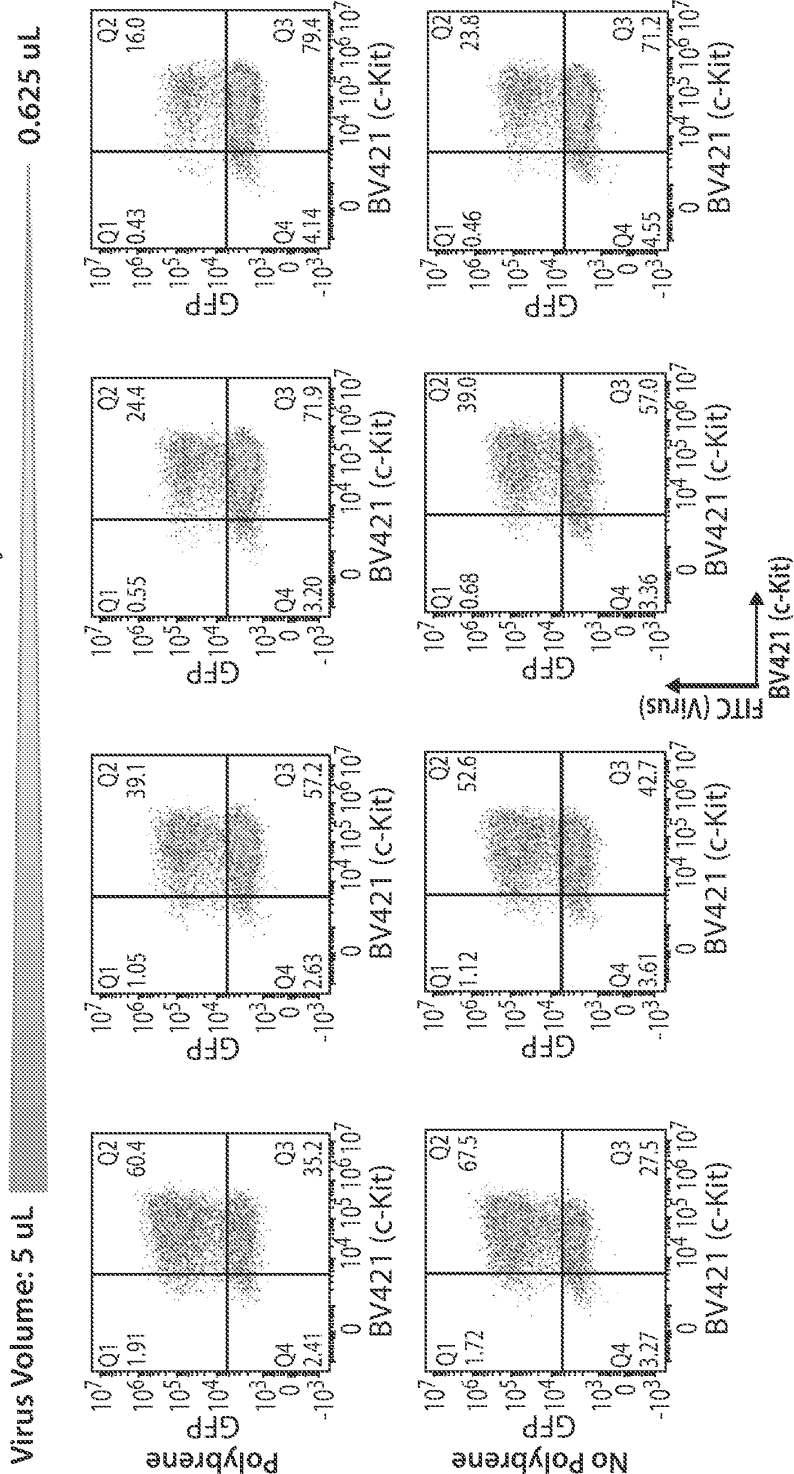


FIG. 7

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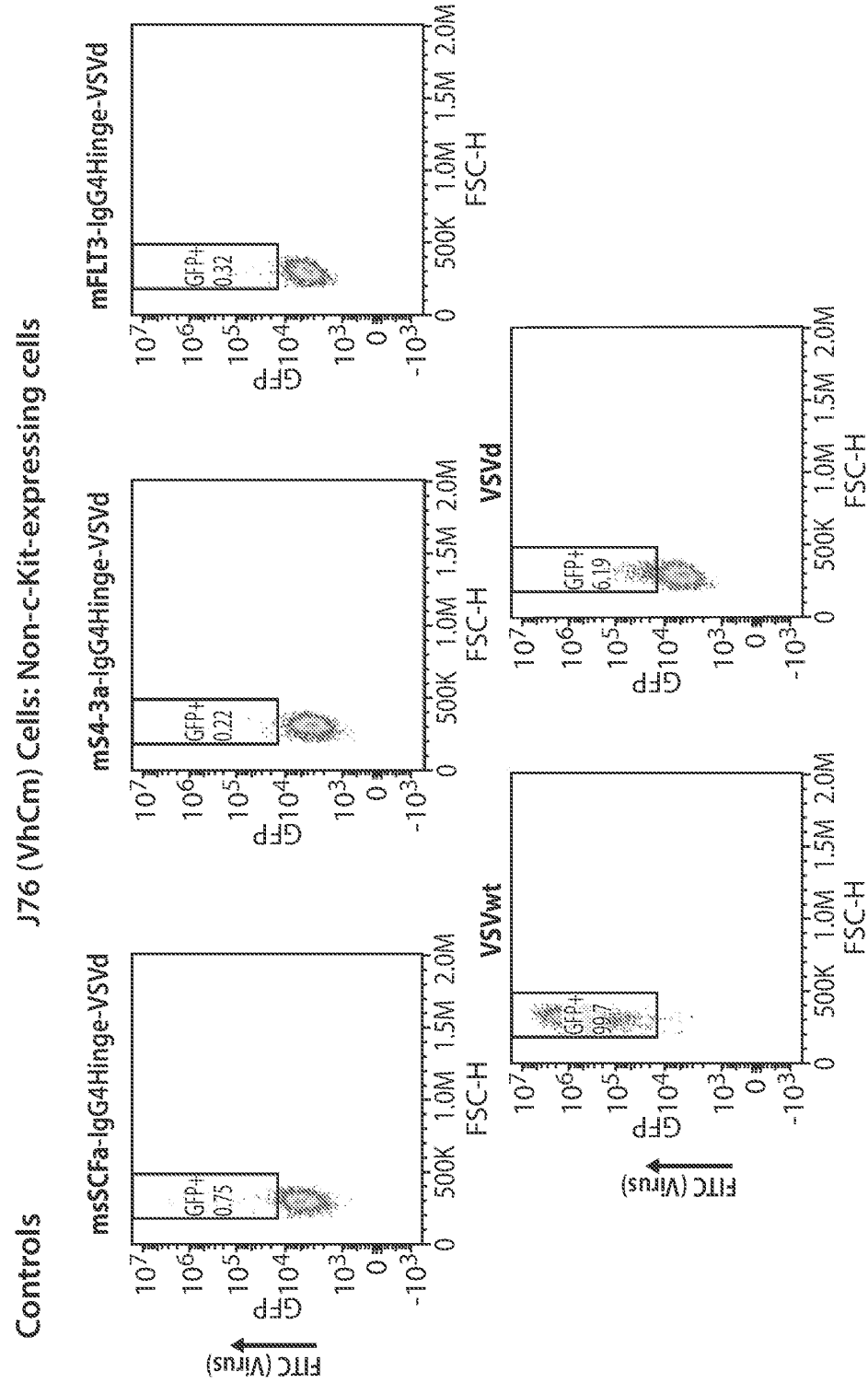


FIG. 9

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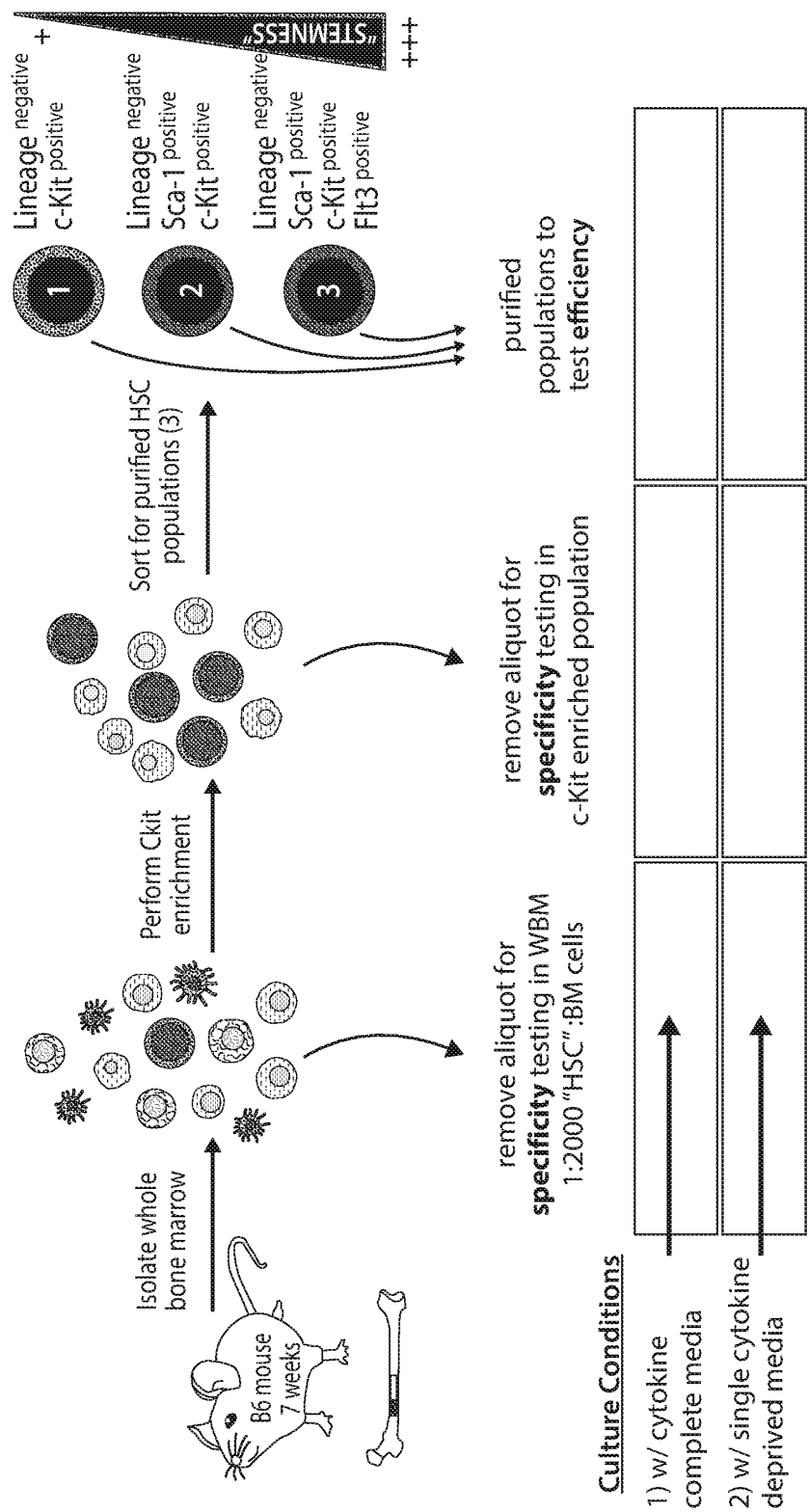


FIG. 10

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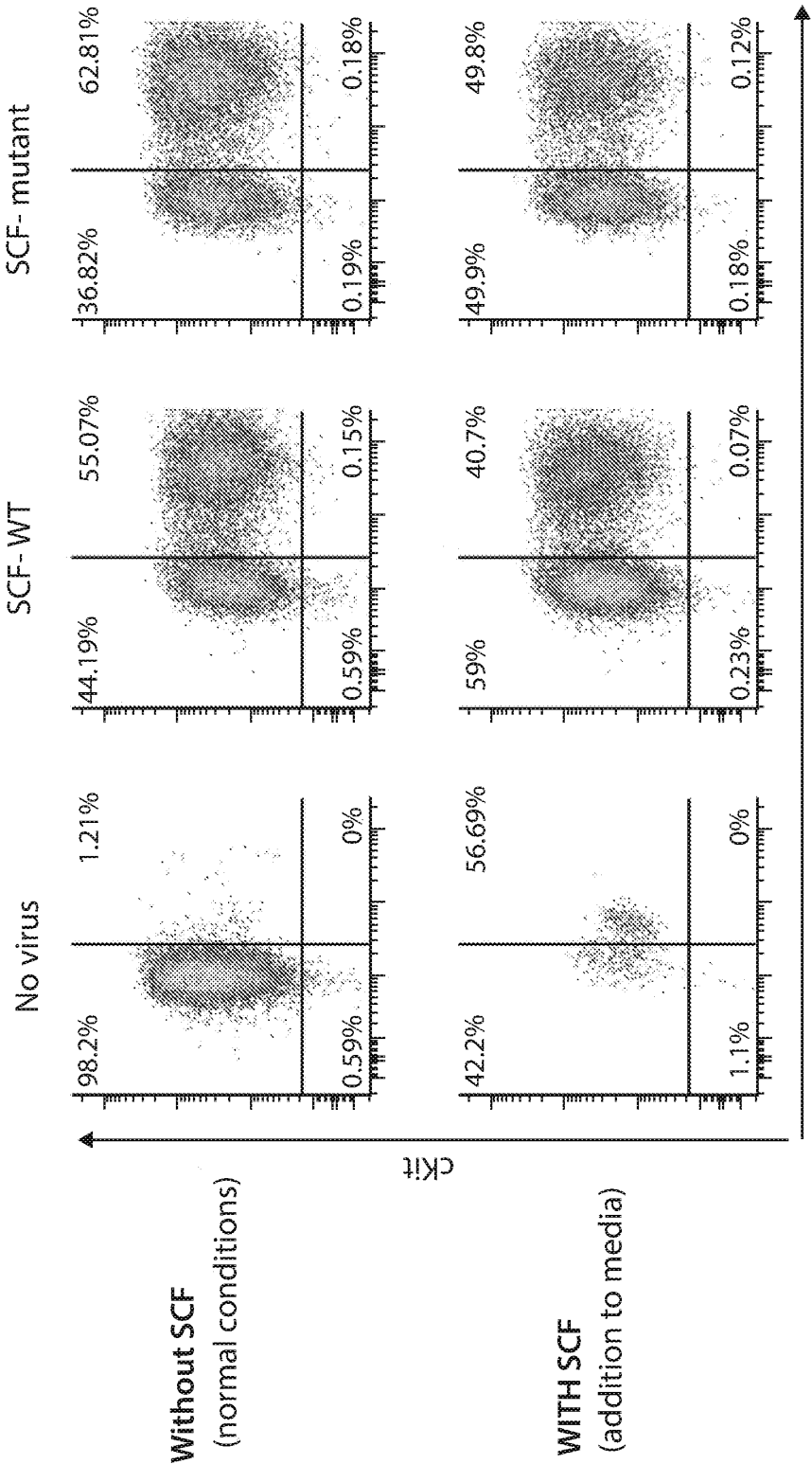


FIG. 11

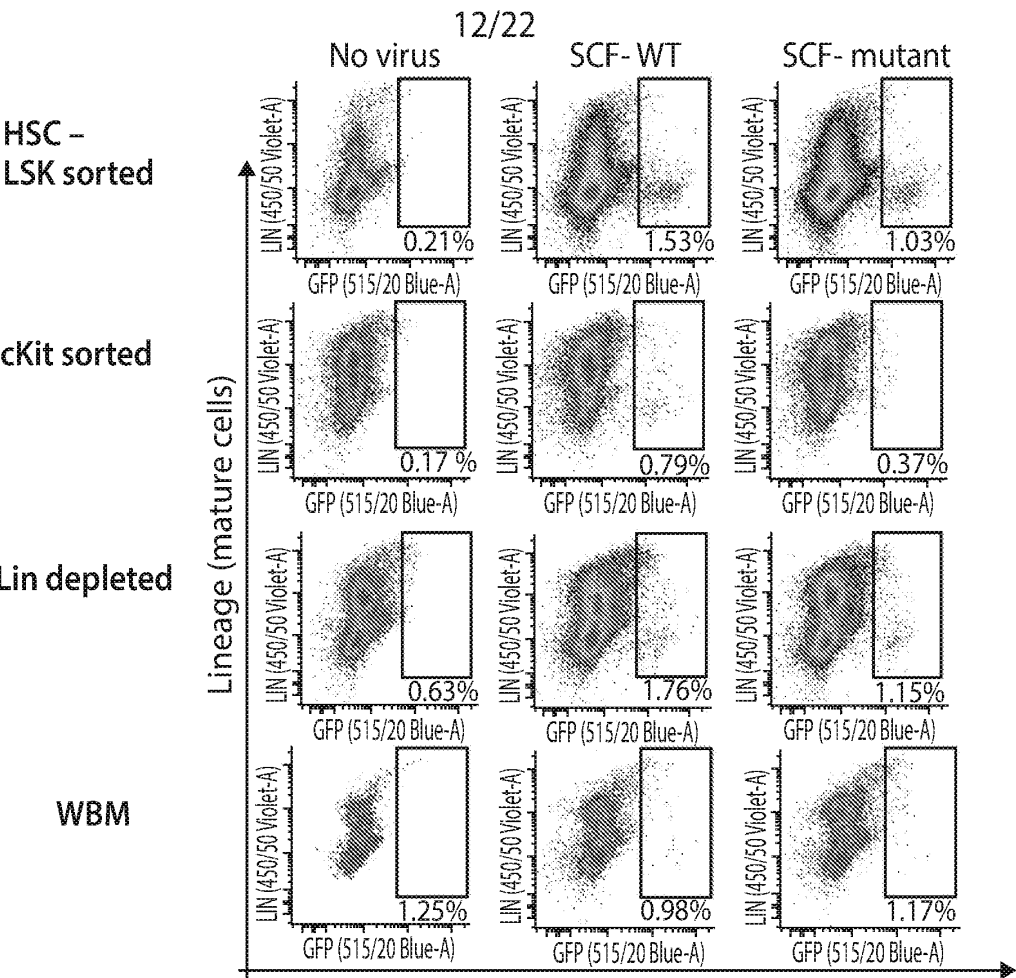


FIG. 12A

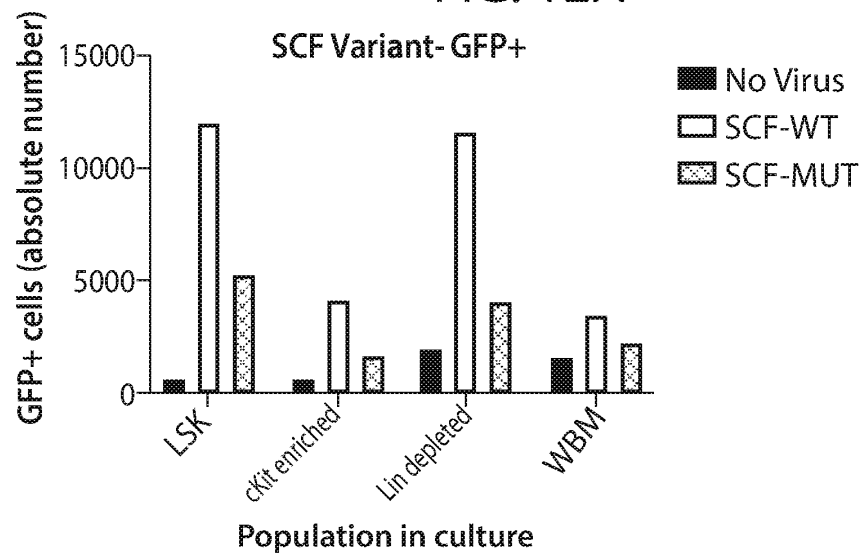


FIG. 12B

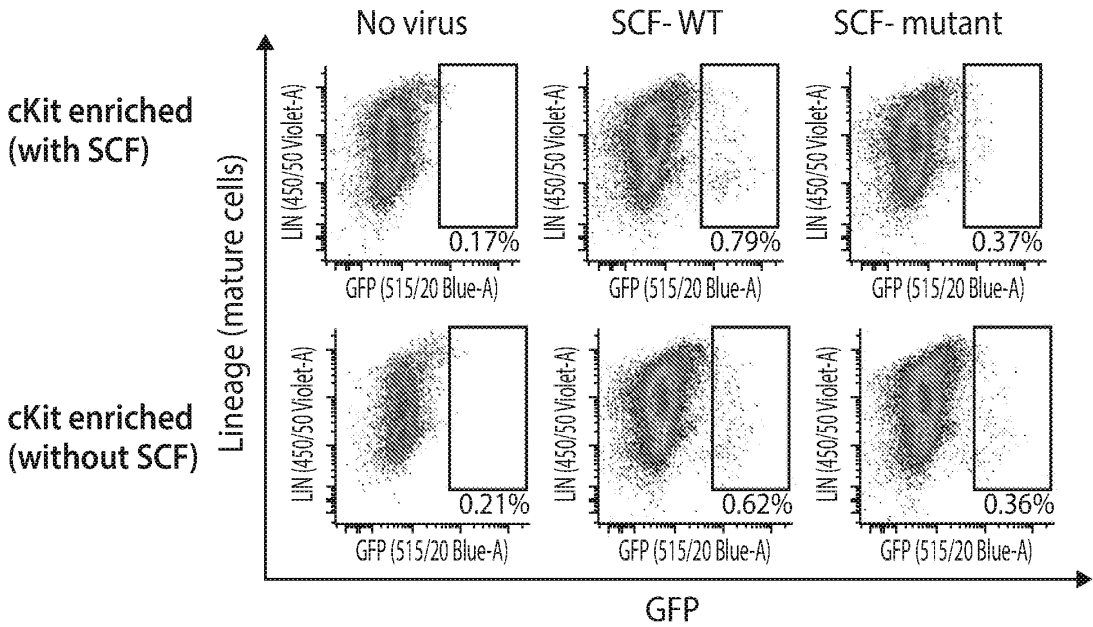


FIG. 13A

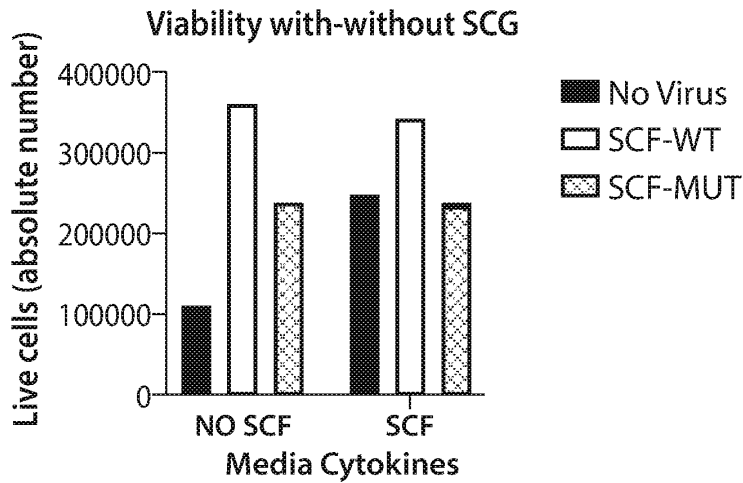


FIG. 13B

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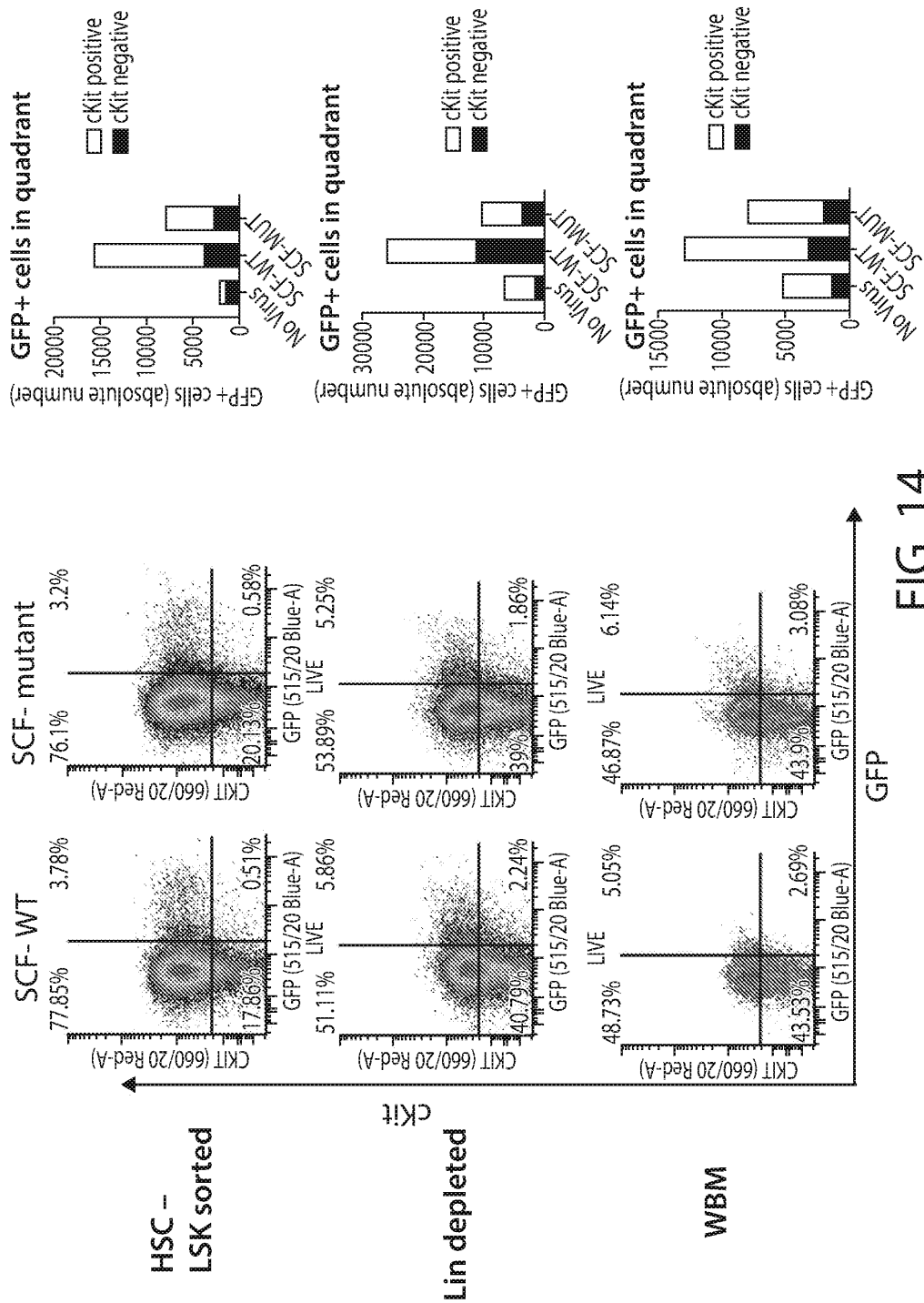


FIG. 14

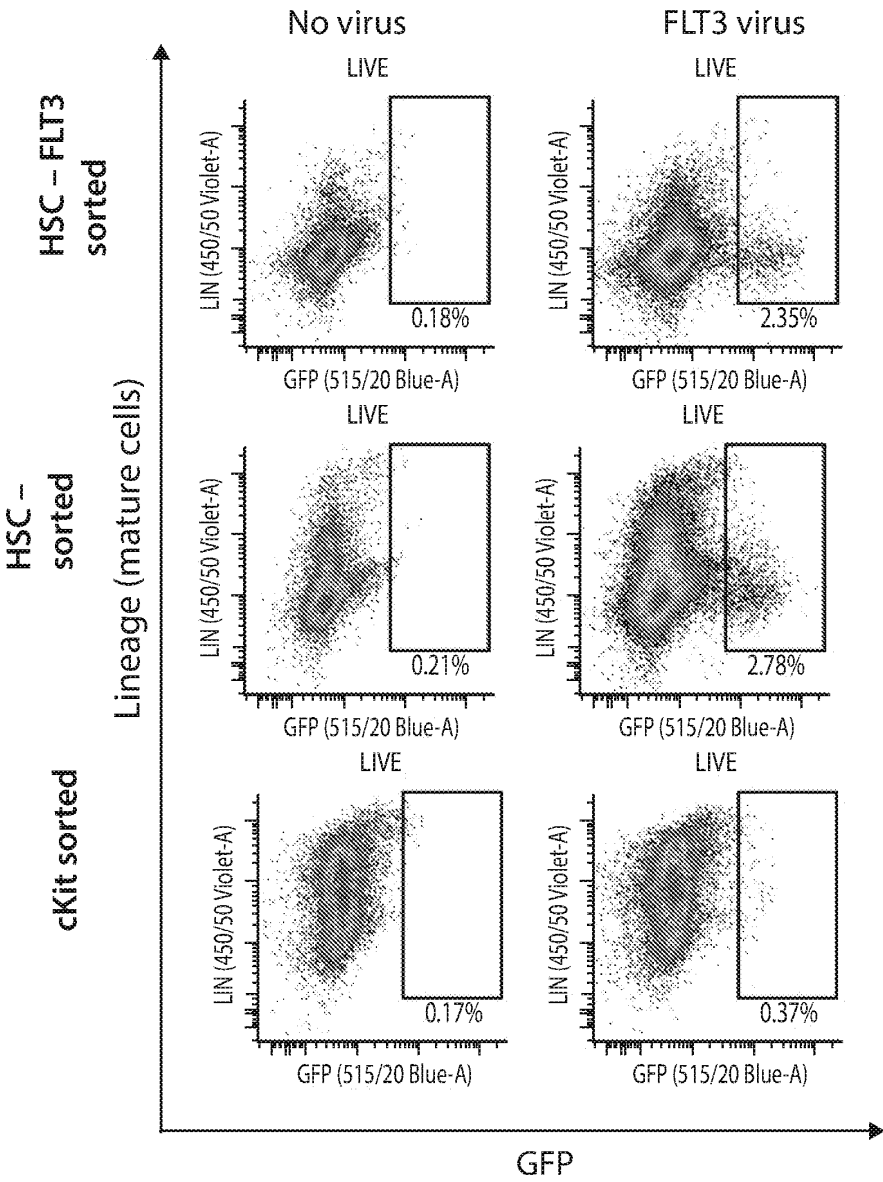


FIG. 15A

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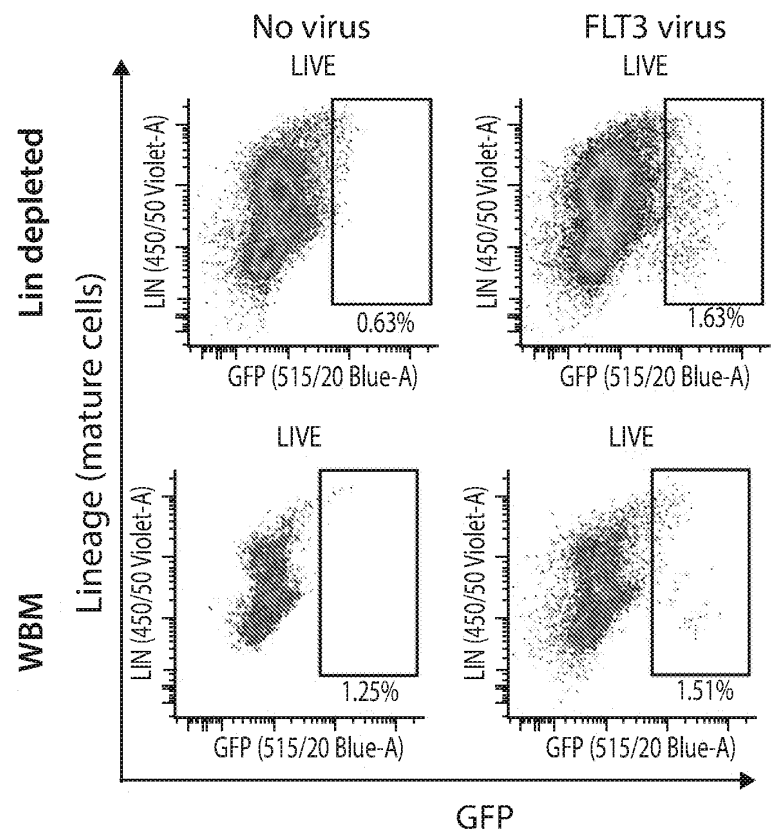


FIG. 15B

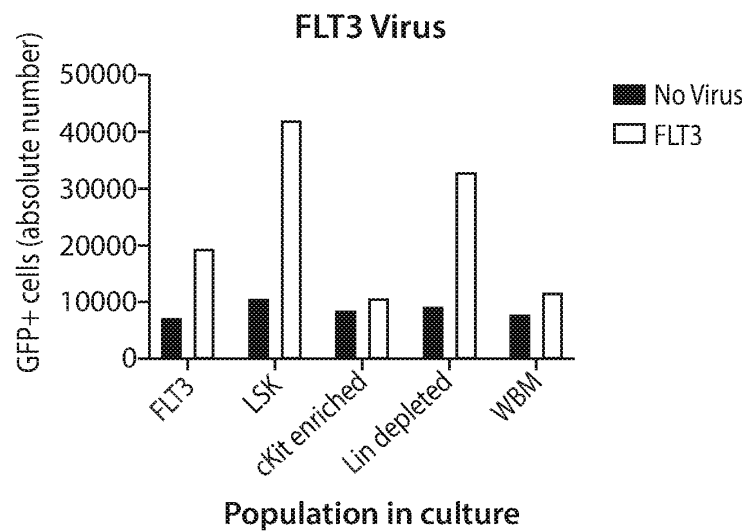


FIG. 15C

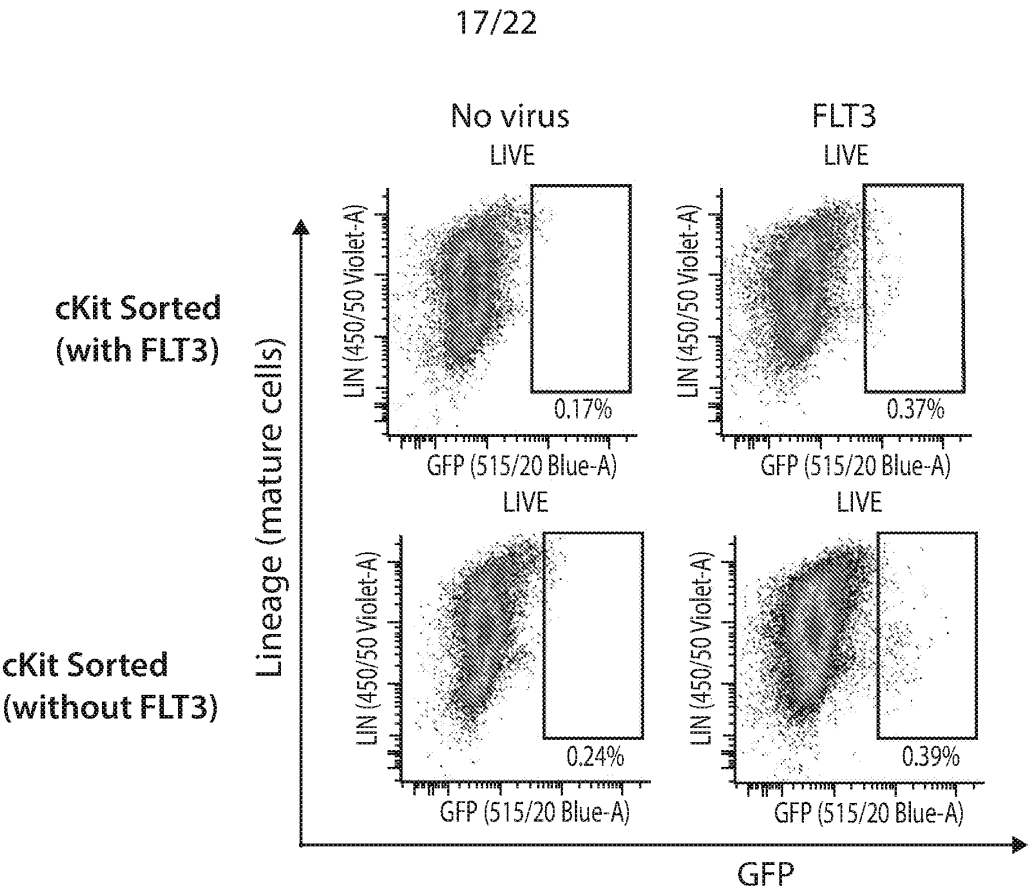


FIG. 16A

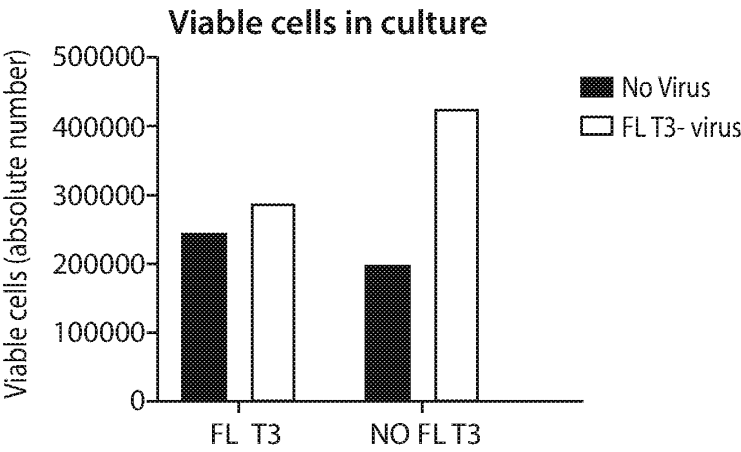


FIG. 16B

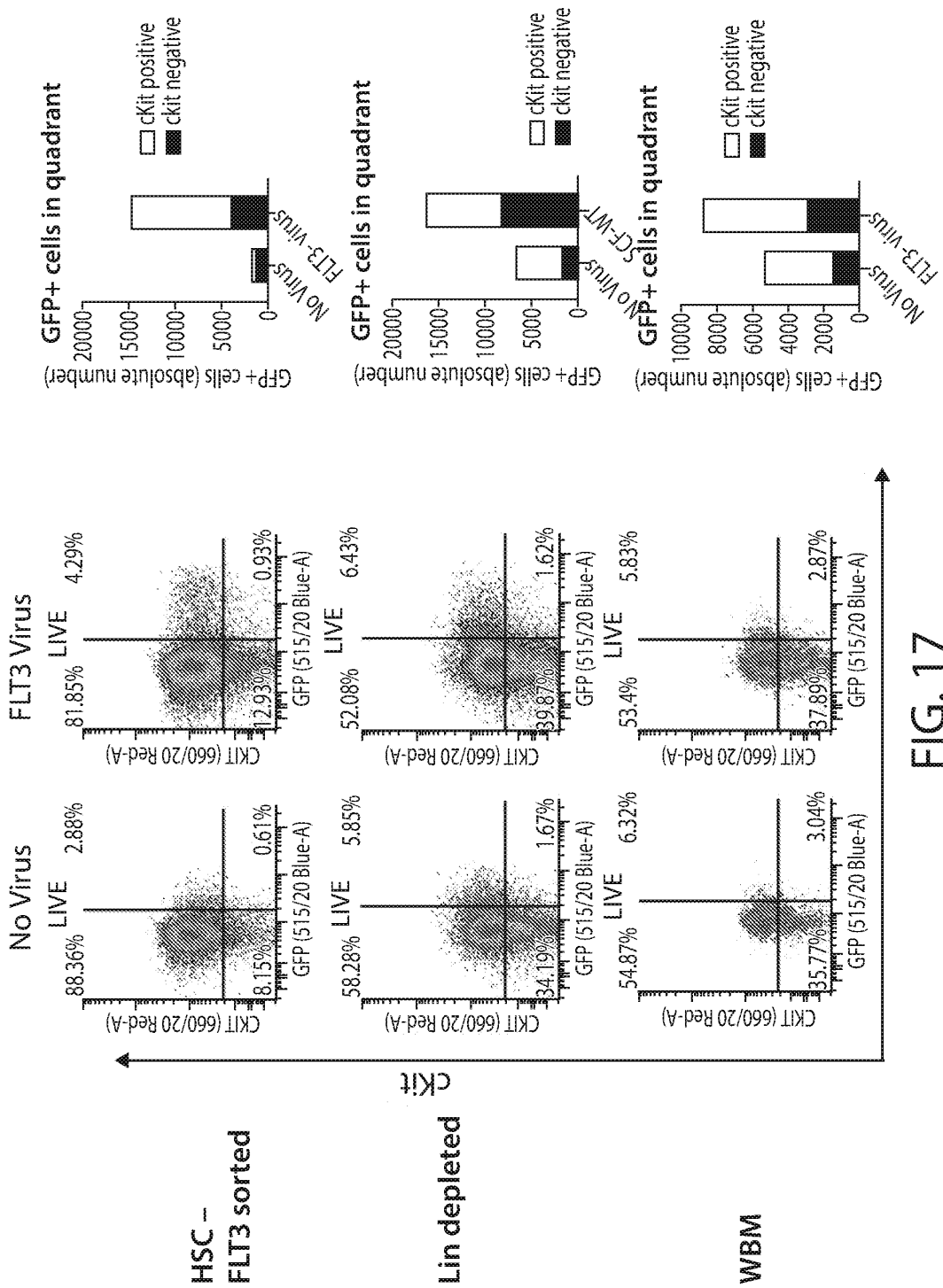


FIG. 17

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>mS4-3a-trunc-pStalk-PDGFR, amino acid sequence: (SEQ ID NO: 28):

MKKTQTWIITCIYLQLLLFNPLVKTKEICGDPVTDNVKDITKLVANLPNDYMITLNYVAGMDVLPSCWLRDMVIQLSLS
LTLLDKFSNISEGLSNYSIIHKLGIIVDDLFFCMEENAPKNIKEFPKRPETRSFTPEEFFSIFNRSIDAFKDFMVASDTSDCVL
SYPDVDPDYAASAVGQDTQEVIVVPHSLPFKVVVISAILALVVLTIISLIILIMLWQKKPR*

Legend

mSCF Signal Peptide*mS4-3a - Truncated**HA tag**Linker + PDGFR Stalk*PDGFR β Transmembrane Domain

FIG. 18A

>mFLT3LG-pStalk-PDGFR, amino acid sequence: (SEQ ID NO: 29): M

MTVLAPAWSPNSSLLLLLLSPCLRGTPDCYFSHSPISNFKVKFRELDHLLKDYPVTAVNLQDEKHCKALWSLFLAQ
RWIEQLKTVAGSKMQTLLEDVNTEIHFTSCTFQPLPECLRFVQTNISHLLKDTCTQLLALKPCIGKACQNFRCLEVQCQ
PDSSTLLPPRSPIALEATELPEPRRQYPYDVPDYAASAVGQDTQEVIVVPHSLPFKVVVISAILALVVLTIISLIILIMLWQK
KPR*

Legend

mFLT3 Ligand Signal Peptide*mFLT3 Ligand**HA tag**Linker + PDGFR Stalk*PDGFR β Transmembrane Domain

FIG. 18B

>mSCFa-trunc-pStalk-PDGFR, amino acid sequence: (SEQ ID NO: 32):

MKKTQTWIITCIYLQLLLFNPLVKTKEICGNPVTDNVKDITKLVANLPNDYMITLNYVAGMDVLPSCWLRDMVIQLSLS
LTLLDKFSNISEGLSNYSIIDKLGIIVDDLVL CMEENAPKNIKESPKRPETRSFTPEEFFSIFNRSIDAFKDFMVASDTSDCV
LSYPDVDPDYAASAVGQDTQEVIVVPHSLPFKVVVISAILALVVLTIISLIILIMLWQKKPR*

Legend

mSCFa Signal Peptide*mSCFa - Truncated**HA tag**Linker + PDGFR Stalk*PDGFR β Transmembrane Domain

FIG. 18C

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>mTPO-trunc-pStalk-PDGFR, amino acid sequence (SEQ ID NO: 34):

MELTDLLAAMLLAVARLTSSPVAPACDPRLLNKLRLDSHLLHSRLSQCPDVPDPLSIPVLLPAVDFSLGEWKTQTEQSKA
QDILGAVSLLLEGVMAARGQLEPSCLSLLGQLSGQVRLLLGALQGLLTQLPLQGRTTAHKDPNALFLSLQQLLRGKVR
FLLLVEGPTLCVRYPYDVPDYAASAVGQDTQEVIVVPHSLPFKVVVISAILALVVLTIISLIILIMLWQKKPR*

Legend

mSCF Signal Peptide**mTPO-Truncated**HA tagLinker + PDGFR Stalk**PDGFR β Transmembrane Domain**

FIG. 18D

mS4-3a-IgG4hinge-PDGFR (SEQ ID NO: 36)

MKKTOTWIITCIYLOLLLENPLVKTKEICGDPVTDNVKDITKLVANLPNDYMITLNYVAGMDVLP SHCWLRDMVIQLSLS
LTLLDKFSNISEGLSNYSIIHKLGIIVDDLFFCMEENAPKNIKEFPKRPETRSFTPEEFFSIFNRSIDAFKDFMVASDTSDCVL
SYPYDVPDYAASESKYGPPCPPCPAVGQDTQEVIVVPHSLPFKVVVISAILALVVLTIISLIILIMLWQKKPR*

Legend

mSCFa Signal Peptide**mS4-3a-Truncated**HA tagLinker + IgG4hinge**PDGFR β Transmembrane Domain**

FIG. 18E

mFLT3LG-IgG4hinge-PDGFR (SEQ ID NO: 38)

MTVLAPAWSPNSSLLLLLLLLSPCLRGTDCYFSSHSPISNFVKVFRELT DHLLKDYPVTVAVNLDQEKHCKALWSLFLAQ
RWIEQLKTAVAGSKMQTLLEDVNTEIHVTSCTFQPLPECLRFVQTNISHLLKDTCTQLLALKPCIGKACQNF SRCLEVQCQ
PDSSTLLPPRSPIALEATELPEPRPRQYPYDVPDYAASESKYGPPCPPCPAVGQDTQEVIVVPHSLPFKVVVISAILALVVL
TIISLIILIMLWQKKPR*

Legend

mFLT3 Ligand Signal Peptide**mFLT3 Ligand**HA tagLinker + IgG4hinge**PDGFR β Transmembrane Domain**

FIG. 18F

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mTPO-trunc-IgG4hinge-PDGFR (SEQ ID NO: 40)

MELTDLLLAAMLLAVARLTLSSPVAPACDPRLLNKLLRDSHLLHSRLSQCPDVPDPLSIPVLLPAVDFSLGEWKTQTEQSKA
QDILGAVSLLLEGVMAARGQLEPSCLSLLGQLSGQVRLLLGALQGLLGTQLPLQGRTTAHKDPNALFLSLQQLLRGKVR
FLLLVEGPTLCVRYPDYDPAASESKYGPPCPPCPAVGQDTQEIVVPHSLPFKVVVISAILALVVLTIISLIILIMLWQKKP
 R*

Legend

mTPO Signal PeptidemTPO - TruncatedHA tagLinker + IgG4hingePDGFR β Transmembrane Domain

FIG. 18G

mSCFa-IgG4hinge-PDGFR (SEQ ID NO: 42)

MKKTQTWITCIYLOLLLENPLVKTKEICGNPVTDNVKDITKLVANLPNDYMITLNYVAGMDVLP SHCWLRDMVIQLSLS
LTLLDKFSNISEGLSNYSIIDKLGKIVDDLVCMEENAPKNIKESPKRPETRSFTPEEFFSIFNRSIDAFKDFMVASDTSDCV
LSYPYDVPDYAASESKYGPPCPPCPAVGQDTQEIVVPHSLPFKVVVISAILALVVLTIISLIILIMLWQKKPR*

Legend

mSCFa Signal PeptidemSCFa - TruncatedHA tagLinker + IgG4hingePDGFR β Transmembrane Domain

FIG. 18H

hSCFa-trunc-pStalk-PDGFR (SEQ ID NO: 44)

MKKTOTWILTCIYLOLLLENPLVKTEGICRNRVTNNVKDVTKLVANLPKDYMITLKYPGMDVLP SHCWISEM VVQLSD
SLTDLLDKFSNISEGLSNYSIIDKLVNIVDDLVECVKENSSKDLKKSFKSPEPRLFTPEEFFRIFNRSIDAFKDFVVASETSDCV
VSYPYDVPDYAASAVGQDTQEIVVPHSLPFKVVVISAILALVVLTIISLIILIMLWQKKPR*

Legend

hSCF Signal PeptidehSCFa - TruncatedHA tagLinker + PDGFR StalkPDGFR β Transmembrane Domain

FIG. 19A

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hSCFa-trunc-IgG4hinge-PDGFR (SEQ ID NO: 46)

MKKTQTWILTCIYLQLLLLFNPLVKTEGICRNRVTNNVKDVTCLVANLPKDYMITLKYVPGMDVLP SHCWISEM VVQLSD
SLTDLLDKFSNISEGLSNYSIIDKLVNIVDDLVECVKENSSKDLKKSFKSPEPRLFTPEEFFRIFNRSIDAFKDFVVASETSDCV
VSYPYDVPDYAASAVGQDQTQEVIVVPHSLPFKVVVISAILALVVLTIISLIILIMLWQKKPR*

Legend

hSCF Signal Peptide**hSCFa- Truncated**HA tagLinker + IgG4hinge**PDGFR β Transmembrane Domain**

FIG. 19B

hFLT3LG-trunc-IgG4hinge-PDGFR (SEQ ID NO: 48)

MTVLAPAWSPTTYLLLLLLSSGLSGTQDCSFQHSPISSDFAVKIRELSDYLLQDYPVTVASNLDDEELCGGLWRLVLAQR
WMERLKT VAGSKMQGLLERVNTEIH FVTKCAFQPPPSCLRFVQTNISRLQETSEQLV ALKPWITRQNF SRCLELQCQP
DSSTLPPPWSRPLEATAPTAPQPYDVPDYAASESKYGPPCPPCPAVGQDQTQEVIVVPHSLPFKVVVISAILALVVLTI
SLIILIMLWQKKPR*

Legend

hFLT3 Ligand Signal Peptide**hFLT3 Ligand**HA tagLinker + IgG4hinge**PDGFR β Transmembrane Domain**

FIG. 19C

hFLT3LG-pStalk-PDGFR (SEQ ID NO: 50)

MTVLAPAWSPTTYLLLLLLSSGLSGTQDCSFQHSPISSDFAVKIRELSDYLLQDYPVTVASNLDDEELCGGLWRLVLAQR
WMERLKT VAGSKMQGLLERVNTEIH FVTKCAFQPPPSCLRFVQTNISRLQETSEQLV ALKPWITRQNF SRCLELQCQP
DSSTLPPPWSRPLEATAPTAPQPYDVPDYAASAVGQDQTQEVIVVPHSLPFKVVVISAILALVVLTIISLIILIMLWQKKP
R*

Legend

hFLT3 Ligand Signal Peptide**hFLT3 Ligand**HA tagLinker + PDGFR Stalk**PDGFR β Transmembrane Domain**

FIG. 19D