

【図1】

配列番号 1 : 抗HER2抗体重鎖のアミノ酸配列

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EVQLVESGGGLVQPGGSLRLSCAASGFNIKDTYIHWVR
QAPGKGLEWVARIYPTNGYTRYADSVKGRFTISADTSK
NTAYLQMNSLRAEDTAVYYCSRWGGDGFYAMDYWGQGT
LVTVSSASTKGPSVFPLAPSSKSTSGGTAALGCLVKDY
FPEPVTVSWNSGALTSGVHTFPAVLQSSGLYSLSSVVT
VPSSSLGTQTYICNVNHKPSNTKVDKKVEPKSCDKTHT
CPPCPAPELLGGPSVFLFPPKPKDTLMISRTPEVTCVV
VDVSHEDPEVKFNWYVDGVEVHNAKTKPREEQYNSTYR
VVSVLTVLHQDWLNGKEYKCKVSNKALPAPIEKTISKA
KGQPREPQVYTLPPSREEMTKNQVSLTCLVKGFYPSDI
AVEWESNGQPENNYKTTTPVLDSDGSFFLYSKLTVDKS
RWQQGNVFSCSVMHEALHNHYTQKSLSLSPGK

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【図2】

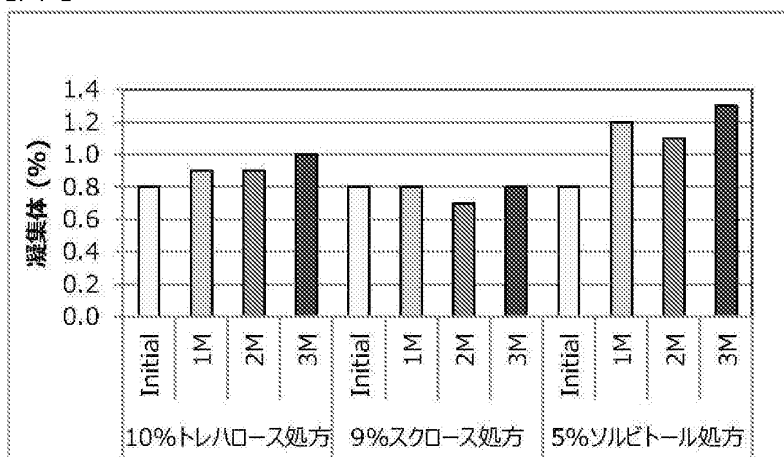
配列番号 2 : 抗HER2抗体軽鎖のアミノ酸配列

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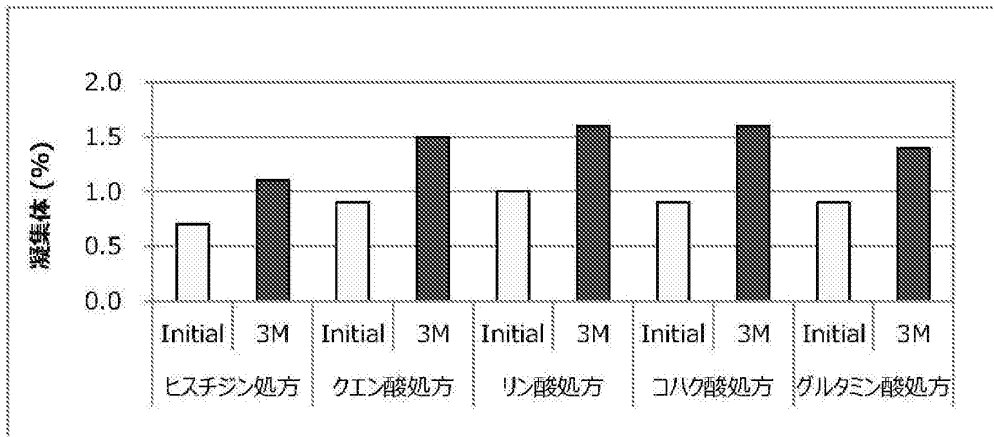
DIQMTQSPSSLSASVGDRVTITCRASQDVNTAVAWYQQ
KPGKAPKLLIYSASFLLYSGVPSRFSGSRSGTDFTLTIS
SLQPEDFATYYCQQHYTTPPTFGQGTKVEIKRTVAAPS
VFIFPPSDEQLKSGTASVVCLLNNFYPREAKVQWKVDN
ALQSGNSQESVTEQDSKDYSLSSSTLTLSKADYEKHK
VYACEVTHQGLSSPVTKSFNRGEC

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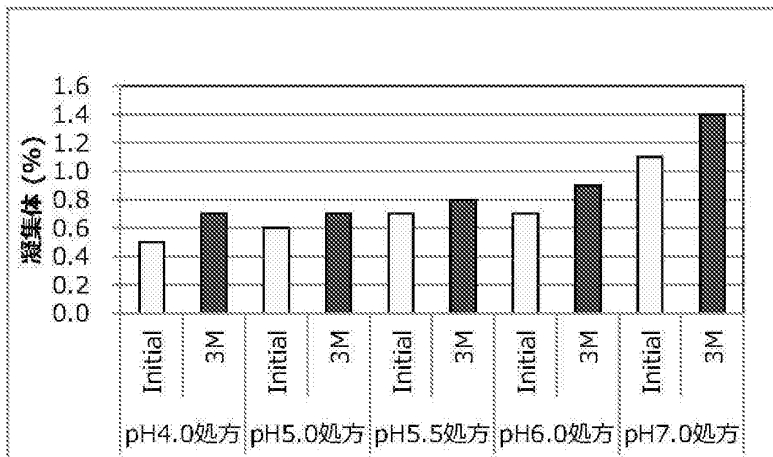
【図3】



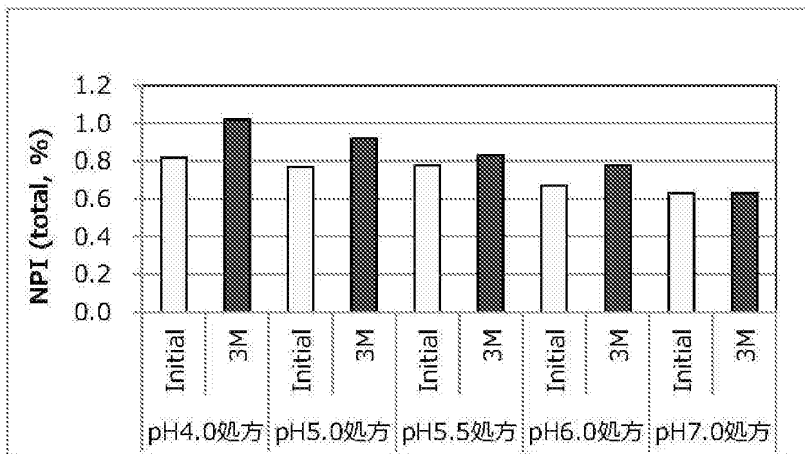
[図4]



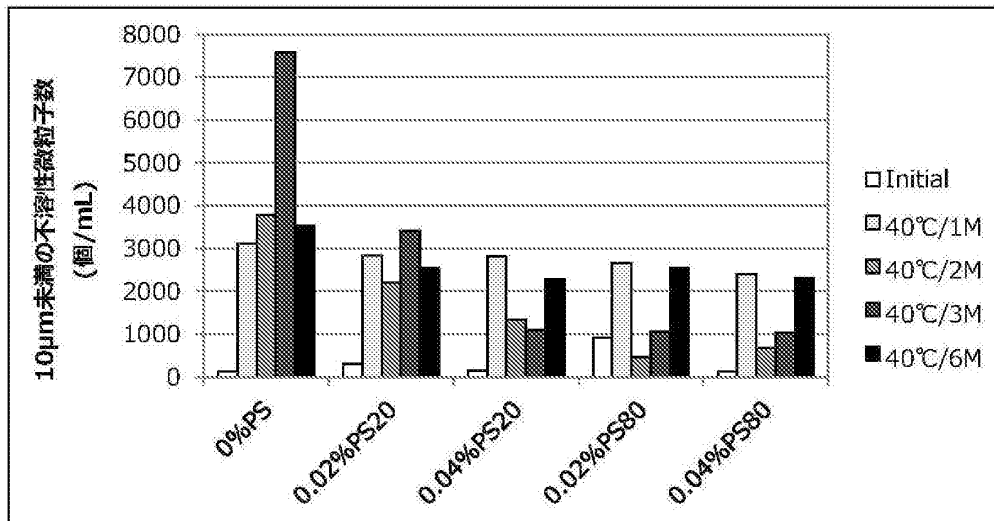
[図5]



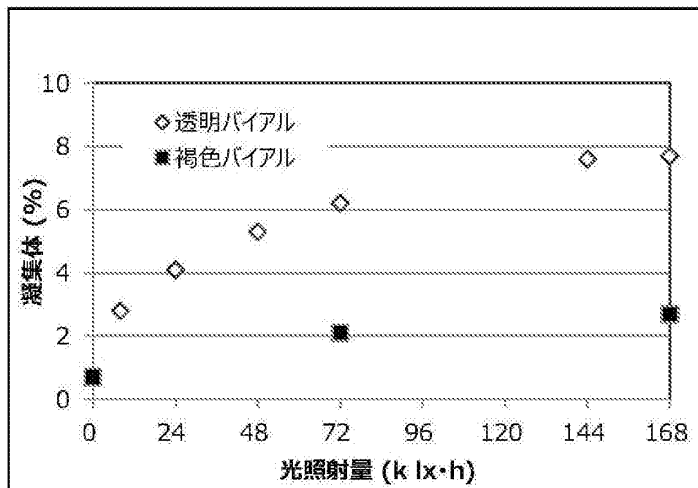
[図6]



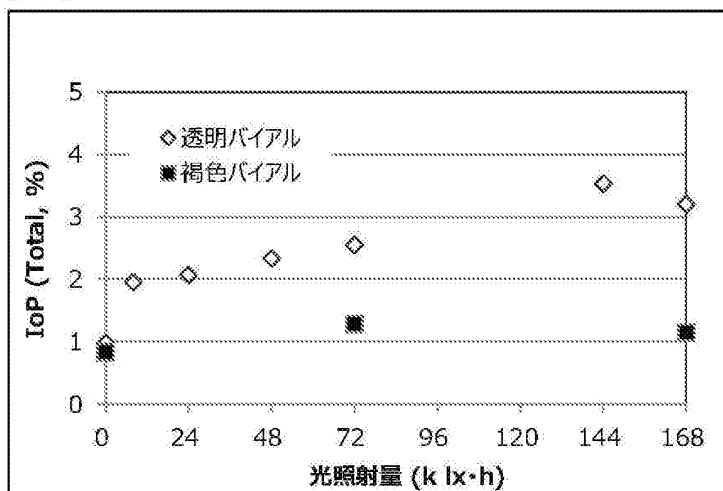
[図7]



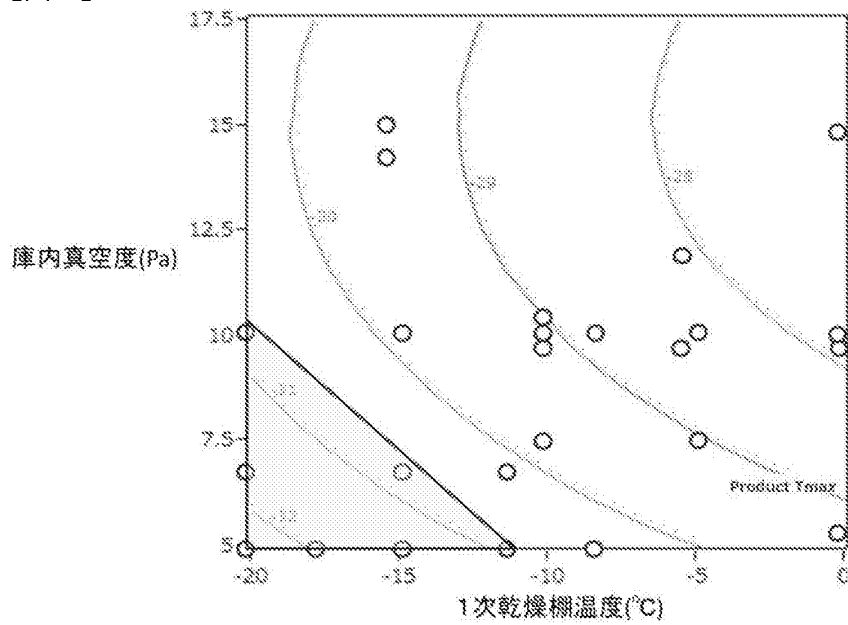
[図8]



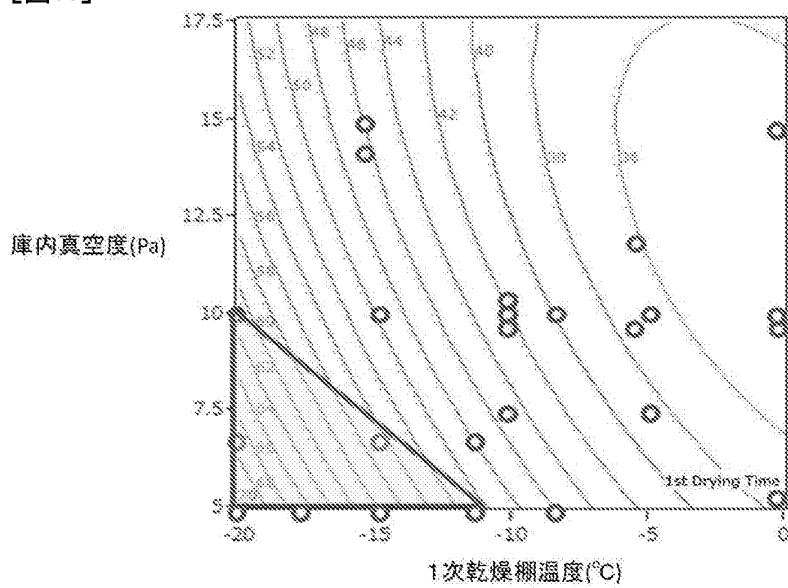
[図9]



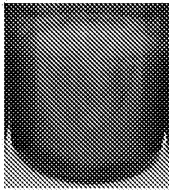
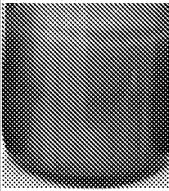
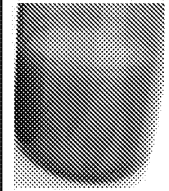
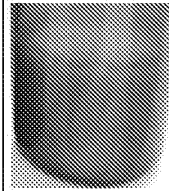
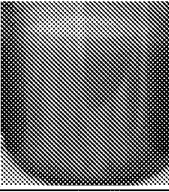
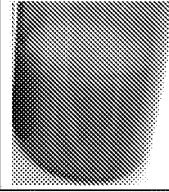
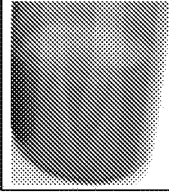
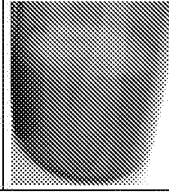
[図10]



[図11]

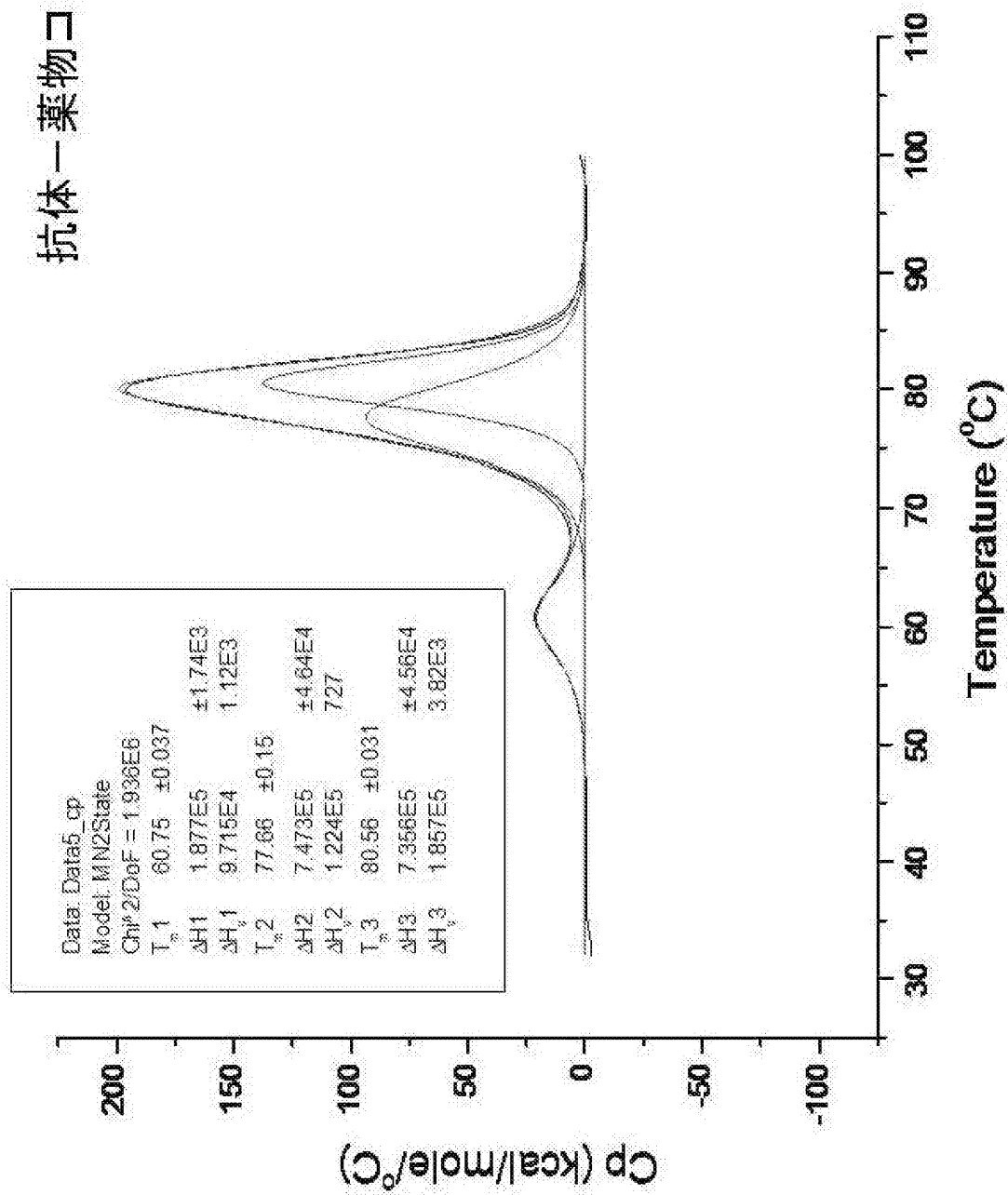


[図12]

棚温度	-7.0℃	-5.0℃	-4.0℃	-3.5℃
製品温度	-7.0℃	-5.0℃	-4.6℃	-4.2℃
凍結乾燥ケ ーキの形状				
棚温度	-3.0℃	-2.0℃	-0.5℃	0.5℃
製品温度	-3.4℃	-2.6℃	-1.8℃	-1.5℃
凍結乾燥ケ ーキの形状				

[図13]

抗体—薬物コンジュゲート(1)



[図14]

配列番号3：抗HER3抗体の重鎖のアミノ酸配列

QVQLQQWGAGLLKPSETLSLTCAVYGGSFSGYYWSWIR
QPPGKGLEWIGEINHSGSTNYNPSLKSRVTISVETSKN
QFSLKLSSVTAADTAVYYCARDKWTWYFDLWGRGTLVT
VSSASTKGPSVFPLAPSSKSTSGGTAALGCLVKDYFPE
PVTVSWNSGALTSGVHTFPAVLQSSGLYSLSSVVTVP
SSLGTQTYICNVNHKPSNTKVDKRVEPKSCDKTHTCPP
CPAPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVVDV
SHEDPEVKFNWYVDGVEVHNAKTKPREEQYNSTYRVVS
VLTVLHQDWLNGKEYKCKVSNKALPAPIEKTISKAKGQ
PREPQVYTLPPSREEMTKNQVSLTCLVKGFYPSDIAVE
WESNGQPENNYKTTTPPVLDSDGSFFLYSKLTVDKSRWQ
QGNVFSCSVMHEALHNHYTQKSLSLSPGK

[図15]

配列番号4：抗HER3抗体の軽鎖のアミノ酸配列

DIEMTQSPDSLAVSLGERATINCRSSQSVLYSSSNRNY
LAWYQQNPGQPPLLIYWASTRESGVPDRFSGSGSGTD
FTLTISSLQAEDVAVYYCQQYYSTPRTFGQGTKVEIKR
TVAAPSVFIFPPSDEQLKSGTASVVCLLNNFYPREAKV
QWKVDNALQSGNSQESVTEQDSKDSTYSLSSTLTLSKA
DYEKHKVYACEVTHQGLSSPVTKSFNRGEC

[図16]

配列番号5：抗TROP2抗体重鎖のアミノ酸配列

MKHLWFFLLLVAA PRWVLSQVQLVQSGAEVKKPGASVK
VSCKASGYTFTTAGMQWVRQAPGQGLEWMGWINTHSGV
PKYAEDFKGRVTISADTSTSTAYLQLSSLKSEDTAVYY
CARSGFGSSYWYFDVWGQGT LVT VSSASTKGPSVFPLA
PSSKSTSGGTAALGCLVKDYFPEPTVSWNSGALTSGV
HTFPAVLQSSGLYSLSSVVTVPSSSLGTQTYICNVNHK
PSNTKVDKRVEPKSCDKTHTCPPCPAPEL LGGPSVFLF
PPKPKDTLMISRTPEVTCVVVDVSHEDPEVKFNWYVDG
VEVHNAKTKPREEQYNSTYRVVSVLTVLHQDWLNGKEY
KCKVSNKALPAPIEKTISKAKGQPREPQVYTLPPSREE
MTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTTTP
PVLDS DGSFFLYSKLTVDKSRWQQGNV FSCSVMHEALH
NHYTQKSLSLSPGK

シグナル配列（1－19）、可変領域（20－140）、定常領域（141－470）

[図17]

配列番号6：抗TROP2抗体軽鎖のアミノ酸配列

MVLQTQVFISLLLLWISGAYGDIQMTQSPSSLSASVGDR
VTITCKASQDVSTAVAWYQQKPGKAPKLLIYSASYRYT
GVPSRFSGSGSGTDFTLTIS SLQPEDFAVYYCQQHYIT
PLTFGQGTKLEIKRTVAAPSVFI FPPSDEQLKSGTASV
VCLLNNFYPREAKVQWKVDNALQSGNSQESVTEQDSKD
STYSLSSSTLTLSKADYEKHKVYACEVTHQGLSSPVTKS
FNRGEC

シグナル配列（1－20）、可変領域（21－129）、定常領域（130－234）

[図18]

配列番号7：抗B7-H3抗体重鎖のアミノ酸配列

MKHLWFFLLLVAA PRWVLSQVQLVQSGAEVKKPGSSVK
VSCKASGYTFTNYVMHWVRQAPGQGLEWMGYINPYND
VKYNEKFKGRVTITADESTSTAYMELSSLRSEDTAVYY
CARWGYYGSPLYYFDYWGQGT LVT VSSASTKGPSVFPL
APSSKSTSGGTAA LGCLVKDYFPEPVT VSWNSGALTSG
VHTFPAVLQSSGLYSLSSVVTVPSSSLGTQTYICNVNH
KPSNTKVDKRVEPKSCDKTHTCPPCPAPELLGGPSVFL
FPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKFNWYVD
GVEVHNAKTKPREEQYNSTYRVVSVLTVLHQDWLNGKE
YKCKVSNKALPAPIEKTISKAKGQPREPQVYTLPPSRE
EMTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTT
PPVLDSDGSFFLYSKLTVDKSRWQQGNV FSCSVMHEAL
HNHYTQKSLSLSPGK

シグナル配列（1-19）、可変領域（20-141）、定常領域（142-471）

[図19]

配列番号8：抗B7-H3抗体軽鎖のアミノ酸配列

MVLQTQVFISLLLWISGAYGEIVLTQSPATLSLSPGER
ATLSCRASSRLIYMHWYQQKPGQAPRPLIYATSNLASG
IPARFSGSGSGTDFTLTISSELEPEDFAVYYCQQWNSNP
PTFGQGTKVEIKRTVAAPSVFIFPPSDEQLKSGTASVV
CLLNNFYPREAKVQWKVDNALQSGNSQESVTEQDSKDS
TYSLSSTLTLSKADYEKHKVYACEVTHQGLSSPVTKSF
NRGEC

シグナル配列（1-20）、可変領域（21-128）、定常領域（129-233）

[図20]

配列番号 9 : 抗GPR20抗体重鎖のアミノ酸配列

MKHLWFFLLLVAA PRWVLSEVQLVQSGAEVKKPGASVK
VSCKASGYTFTSYYSWIRQAPGQGLKYMGF INPGSGH
TNYNEKFKGRVTITADKSSSTATMELSSLRSEDTAVYY
CARGAGGFLRIITKFDYWGGGTLVTVSSASTKGPSVFP
LAPSSKSTSGGTAALGCLVKDYFPEPVTVSWNSGALTS
GVHTFPAVLQSSGLYSLSSVVTVPSSSLGTQTYICNVN
HKPSNTKVDKRVEPKSCDKTHTCPPCPAPELLGGPSVF
LFPPKPKDTLMISRTPEVTCVVDVSHEDPEVKFNWYV
DGVEVHNAKTKPREEQYNSTYRVVSVLTVLHQDWLNGK
EYKCKVSNKALPAPIEKTISKAKGQPREPQVYTLPPSR
EEMTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKT
TPPVLDSDGSFFLYSKLTVDKSRWQQGNV FSCSVMHEA
LHNHYTQKSLSLSPGK

シグナル配列 (1-19)、可変領域 (20-142)、定常領域 (143-472)

[図21]

配列番号 10 : 抗GPR20抗体軽鎖のアミノ酸配列

MVLQTQVFISLLLLWISGAYGDTQLTQSPSSLSASVGDR
VTITCRASKSVSTYIHWYQQKPGKQPKLLIYSAGNLES
GVPSRFSGSGSGTDFTLTISSLQPEDFANYYCQQINEL
PYTFGQGTKVEIKRTVAAPSVFI FPPSDEQLKSGTASV
VCLLNNFYPREAKVQWKVDNALQSGNSQESVTEQDSKD
STYSLSSSTLTLSKADYEKHKVYACEVTHQGLSSPVTKS
FNRGEC

シグナル配列 (1-20)、可変領域 (21-129)、定常領域 (130-234)