Fig. 1

Amino acid sequence of B7-H3 variant 1 (SEQ ID NO: 1)

MLRRRGSPGMGVHVGAALGALWFCLTGALEVQVPEDPVVALVGTD
ATLCCSFSPEPGFSLAQLNLIWQLTDTKQLVHSFAEGQDQGSAYA
NRTALFPDLLAQGNASLRLQRVRVADEGSFTCFVSIRDFGSAAVS
LQVAAPYSKPSMTLEPNKDLRPGDTVTITCSSYQGYPEAEVFWQD
GQGVPLTGNVTTSQMANEQGLFDVHSILRVVLGANGTYSCLVRNP
VLQQDAHSSVTITPQRSPTGAVEVQVPEDPVVALVGTDATLRCSF
SPEPGFSLAQLNLIWQLTDTKQLVHSFTEGRDQGSAYANRTALFP
DLLAQGNASLRLQRVRVADEGSFTCFVSIRDFGSAAVSLQVAAPY
SKPSMTLEPNKDLRPGDTVTITCSSYRGYPEAEVFWQDGQGVPLT
GNVTTSQMANEQGLFDVHSVLRVVLGANGTYSCLVRNPVLQQDAH
GSVTITGQPMTFPPEALWVTVGLSVCLIALLVALAFVCWRKIKQS
CEEENAGAEDQDGEGEGSKTALQPLKHSDSKEDDGQEIA

Fig. 2

Amino acid sequence of B7-H3 variant 2 (SEQ ID NO: 2)

MLRRRGSPGMGVHVGAALGALWFCLTGALEVQVPEDPVVALVGTD
ATLCCSFSPEPGFSLAQLNLIWQLTDTKQLVHSFAEGQDQGSAYA
NRTALFPDLLAQGNASLRLQRVRVADEGSFTCFVSIRDFGSAAVS
LQVAAPYSKPSMTLEPNKDLRPGDTVTITCSSYRGYPEAEVFWQD
GQGVPLTGNVTTSQMANEQGLFDVHSVLRVVLGANGTYSCLVRNP
VLQQDAHGSVTITGQPMTFPPEALWVTVGLSVCLIALLVALAFVC
WRKIKQSCEEENAGAEDQDGEGEGSKTALQPLKHSDSKEDDGQEI
A

Fig. 3

Amino acid sequence of M30-H1-type heavy chain (SEQ ID NO: 9)

MKHLWFFLLLVAAPRWVLSQVQLVQSGAEVKKPGSSVKVSCKASG
YTFTNYVMHWVRQAPGQGLEWMGYINPYNDDVKYNEKFKGRVTIT
ADESTSTAYMELSSLRSEDTAVYYCARWGYYGSPLYYFDYWGQGT
LVTVSSASTKGPSVFPLAPSSKSTSGGTAALGCLVKDYFPEPVTV
SWNSGALTSGVHTFPAVLQSSGLYSLSSVVTVPSSSLGTQTYICN
VNHKPSNTKVDKRVEPKSCDKTHTCPPCPAPELLGGPSVFLFPPK
PKDTLMISRTPEVTCVVVDVSHEDPEVKFNWYVDGVEVHNAKTKP
REEQYNSTYRVVSVLTVLHQDWLNGKEYKCKVSNKALPAPIEKTI
SKAKGQPREPQVYTLPPSREEMTKNQVSLTCLVKGFYPSDIAVEW
ESNGQPENNYKTTPPVLDSDGSFFLYSKLTVDKSRWQQGNVFSCS
VMHEALHNHYTQKSLSLSPGK

Fig. 4

Amino acid sequence of M30-H2-type heavy chain (SEQ ID NO: 10)

MKHLWFFLLLVAAPRWVLSQVQLVQSGAEVKKPGSSVKVSCKASG
YTFTNYVMHWVRQAPGQGLEWIGYINPYNDDVKYNEKFKGRVTIT
ADESTSTAYMELSSLRSEDTAVYYCARWGYYGSPLYYFDYWGQGT
LVTVSSASTKGPSVFPLAPSSKSTSGGTAALGCLVKDYFPEPVTV
SWNSGALTSGVHTFPAVLQSSGLYSLSSVVTVPSSSLGTQTYICN
VNHKPSNTKVDKRVEPKSCDKTHTCPPCPAPELLGGPSVFLFPPK
PKDTLMISRTPEVTCVVVDVSHEDPEVKFNWYVDGVEVHNAKTKP
REEQYNSTYRVVSVLTVLHQDWLNGKEYKCKVSNKALPAPIEKTI
SKAKGQPREPQVYTLPPSREEMTKNQVSLTCLVKGFYPSDIAVEW
ESNGQPENNYKTTPPVLDSDGSFFLYSKLTVDKSRWQQGNVFSCS
VMHEALHNHYTQKSLSLSPGK

Fig. 5

Amino acid sequence of M30-H3-type heavy chain (SEQ ID NO: 11)

MKHLWFFLLLVAAPRWVLSEVQLVQSGAEVKKPGSSVKVSCKASG
YTFTNYVMHWVKQAPGQGLEWIGYINPYNDDVKYNEKFKGKATIT
ADESTSTAYMELSSLRSEDTAVYYCARWGYYGSPLYYFDYWGQGT
LVTVSSASTKGPSVFPLAPSSKSTSGGTAALGCLVKDYFPEPVTV
SWNSGALTSGVHTFPAVLQSSGLYSLSSVVTVPSSSLGTQTYICN
VNHKPSNTKVDKRVEPKSCDKTHTCPPCPAPELLGGPSVFLFPPK
PKDTLMISRTPEVTCVVVDVSHEDPEVKFNWYVDGVEVHNAKTKP
REEQYNSTYRVVSVLTVLHQDWLNGKEYKCKVSNKALPAPIEKTI
SKAKGQPREPQVYTLPPSREEMTKNQVSLTCLVKGFYPSDIAVEW
ESNGQPENNYKTTPPVLDSDGSFFLYSKLTVDKSRWQQGNVFSCS
VMHEALHNHYTQKSLSLSPGK

Fig. 6

Amino acid sequence of M30-H4-type heavy chain (SEQ ID NO: 12)

MKHLWFFLLLVAAPRWVLSEVQLVQSGAEVKKPGSSVKVSCKASG
YTFTNYVMHWVKQAPGQGLEWIGYINPYNDDVKYNEKFKGKATQT
SDKSTSTAYMELSSLRSEDTAVYYCARWGYYGSPLYYFDYWGQGT
LVTVSSASTKGPSVFPLAPSSKSTSGGTAALGCLVKDYFPEPVTV
SWNSGALTSGVHTFPAVLQSSGLYSLSSVVTVPSSSLGTQTYICN
VNHKPSNTKVDKRVEPKSCDKTHTCPPCPAPELLGGPSVFLFPPK
PKDTLMISRTPEVTCVVVDVSHEDPEVKFNWYVDGVEVHNAKTKP
REEQYNSTYRVVSVLTVLHQDWLNGKEYKCKVSNKALPAPIEKTI
SKAKGQPREPQVYTLPPSREEMTKNQVSLTCLVKGFYPSDIAVEW
ESNGQPENNYKTTPPVLDSDGSFFLYSKLTVDKSRWQQGNVFSCS
VMHEALHNHYTQKSLSLSPGK

Fig. 7

Amino acid sequence of M30-L1-type light chain (SEQ ID NO: 13)

MVLQTQVFISLLLWISGAYGEIVLTQSPATLSLSPGERATLSCRA
SSRLIYMHWYQQKPGQAPRLLIYATSNLASGIPARFSGSGSGTDF
TLTISRLEPEDFAVYYCQQWNSNPPTFGQGTKVEIKRTVAAPSVF
IFPPSDEQLKSGTASVVCLLNNFYPREAKVQWKVDNALQSGNSQE
SVTEQDSKDSTYSLSSTLTLSKADYEKHKVYACEVTHQGLSSPVT
KSFNRGEC

Fig. 8

Amino acid sequence of M30-L2-type light chain (SEQ ID NO: 14)

MVLQTQVFISLLLWISGAYGEIVLTQSPATLSLSPGERATLSCRA
SSRLIYMHWYQQKPGQAPRLWIYATSNLASGIPARFSGSGSGTDY
TLTISRLEPEDFAVYYCQQWNSNPPTFGQGTKVEIKRTVAAPSVF
IFPPSDEQLKSGTASVVCLLNNFYPREAKVQWKVDNALQSGNSQE
SVTEQDSKDSTYSLSSTLTLSKADYEKHKVYACEVTHQGLSSPVT
KSFNRGEC

Fig. 9

Amino acid sequence of M30-L3-type light chain (SEQ ID NO: 15)

MVLQTQVFISLLLWISGAYGQIVLSQSPATLSLSPGERATLTCRA
SSRLIYMHWYQQKPGSAPKLWIYATSNLASGIPARFSGSGSGTSY
TLTISRLEPEDFAVYYCQQWNSNPPTFGQGTKVEIKRTVAAPSVF
IFPPSDEQLKSGTASVVCLLNNFYPREAKVQWKVDNALQSGNSQE
SVTEQDSKDSTYSLSSTLTLSKADYEKHKVYACEVTHQGLSSPVT
KSFNRGEC

Fig. 10

Amino acid sequence of M30-L4-type light chain (SEQ ID NO: 16)

MVLQTQVFISLLLWISGAYGEIVLTQSPATLSLSPGERATLSCRA
SSRLIYMHWYQQKPGQAPRPLIYATSNLASGIPARFSGSGSGTDF
TLTISSLEPEDFAVYYCQQWNSNPPTFGQGTKVEIKRTVAAPSVF
IFPPSDEQLKSGTASVVCLLNNFYPREAKVQWKVDNALQSGNSQE
SVTEQDSKDSTYSLSSTLTLSKADYEKHKVYACEVTHQGLSSPVT
KSFNRGEC

Fig. 11

Amino acid sequence of M30-L5-type light chain (SEQ ID NO: 17)

MVLQTQVFISLLLWISGAYGQIVLSQSPATLSLSPGERATLTCRA
SSRLIYMHWYQQKPGSAPKPWIYATSNLASGIPARFSGSGSGTSY
TLTISRLEPEDFAVYYCQQWNSNPPTFGQGTKVEIKRTVAAPSVF
IFPPSDEQLKSGTASVVCLLNNFYPREAKVQWKVDNALQSGNSQE
SVTEQDSKDSTYSLSSTLTLSKADYEKHKVYACEVTHQGLSSPVT
KSFNRGEC

Fig. 12

Amino acid sequence of M30-L6-type light chain (SEQ ID NO: 18)

MVLQTQVFISLLLWISGAYGEIVLTQSPATLSLSPGERATLSCRA
SSRLIYMHWYQQKPGQAPRPLIYATSNLASGIPARFSGSGSGTDF
TLTISRLEPEDFAVYYCQQWNSNPPTFGQGTKVEIKRTVAAPSVF
IFPPSDEQLKSGTASVVCLLNNFYPREAKVQWKVDNALQSGNSQE
SVTEQDSKDSTYSLSSTLTLSKADYEKHKVYACEVTHQGLSSPVT
KSFNRGEC

Fig. 13

Amino acid sequence of M30-L7-type light chain (SEQ ID NO: 19)

MVLQTQVFISLLLWISGAYGEIVLTQSPATLSLSPGERATLSCRA
SSRLIYMHWYQQKPGQAPRPLIYATSNLASGIPARFSGSGSGTDY
TLTISRLEPEDFAVYYCQQWNSNPPTFGQGTKVEIKRTVAAPSVF
IFPPSDEQLKSGTASVVCLLNNFYPREAKVQWKVDNALQSGNSQE
SVTEQDSKDSTYSLSSTLTLSKADYEKHKVYACEVTHQGLSSPVT
KSFNRGEC

Fig. 14

Amino acid sequence of M30 antibody heavy chain (SEQ ID NO: 20)

MEWSWIFLFLLSGTAGVHSEVQLQQSGPELVKPGASVKMSCKASG
YTFTNYVMHWVKQKPGQGLEWIGYINPYNDDVKYNEKFKGKATQT
SDKSSSTAYMELSSLTSEDSAVYYCARWGYYGSPLYYFDYWGQGT
TLTVSSAKTTAPSVYPLAPVCGDTTGSSVTLGCLVKGYFPEPVTL
TWNSGSLSSGVHTFPAVLQSDLYTLSSSVTVTSSTWPSQSITCNV
AHPASSTKVDKKIEPRGPTIKPCPPCKCPAPNLLGGPSVFIFPPK
IKDVLMISLSPIVTCVVVDVSEDDPDVQISWFVNNVEVHTAQTQT
HREDYNSTLRVVSALPIQHQDWMSGKEFKCKVNNKDLPAPIERTI
SKPKGSVRAPQVYVLPPPEEEMTKKQVTLTCMVTDFMPEDIYVEW
TNNGKTELNYKNTEPVLDSDGSYFMYSKLRVEKKNWVERNSYSCS
VVHEGLHNHHTTKSFSRTPGK

Fig. 15

Amino acid sequence of M30 antibody light chain (SEQ ID NO: 21)

MDFLVQIFSFLLISASVIMSRGQIVLSQSPTILSASPGEKVTMTC
RASSRLIYMHWYQQKPGSSPKPWIYATSNLASGVPARFSGSGSGT
SYSLTISRVEAEDAATYYCQQWNSNPPTFGTGTKLELKRADAAPT
VSIFPPSSEQLTSGGASVVCFLNNFYPKDINVKWKIDGSERQNGV
LNSWTDQDSKDSTYSMSSTLTLTKDEYERHNSYTCEATHKTSTSP
IVKSFNRNEC

Fig. 16

Nucleotide sequence of B7-H3 variant 1 (SEQ ID NO: 26)

atgctgcgtcggcggggcagccctggcatgggtgtgcatgtgggt
gcagccctgggagcactgtggttctgcctcacaggagccctggag
gtccaggtccctgaagacccagtggtggcactggtgggcaccgat
gccaccctgtgctgctccttctccccctgagcctggcttcagcctg
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tccagctaccagggctaccctgaggctgaggtgttctggcaggat
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gtgctgcagcaggatgcggcacagctctgtcaccatcacacccccag
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ctggatatctgcagaattccaccacactggactagtggatccgag
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Fig. 17

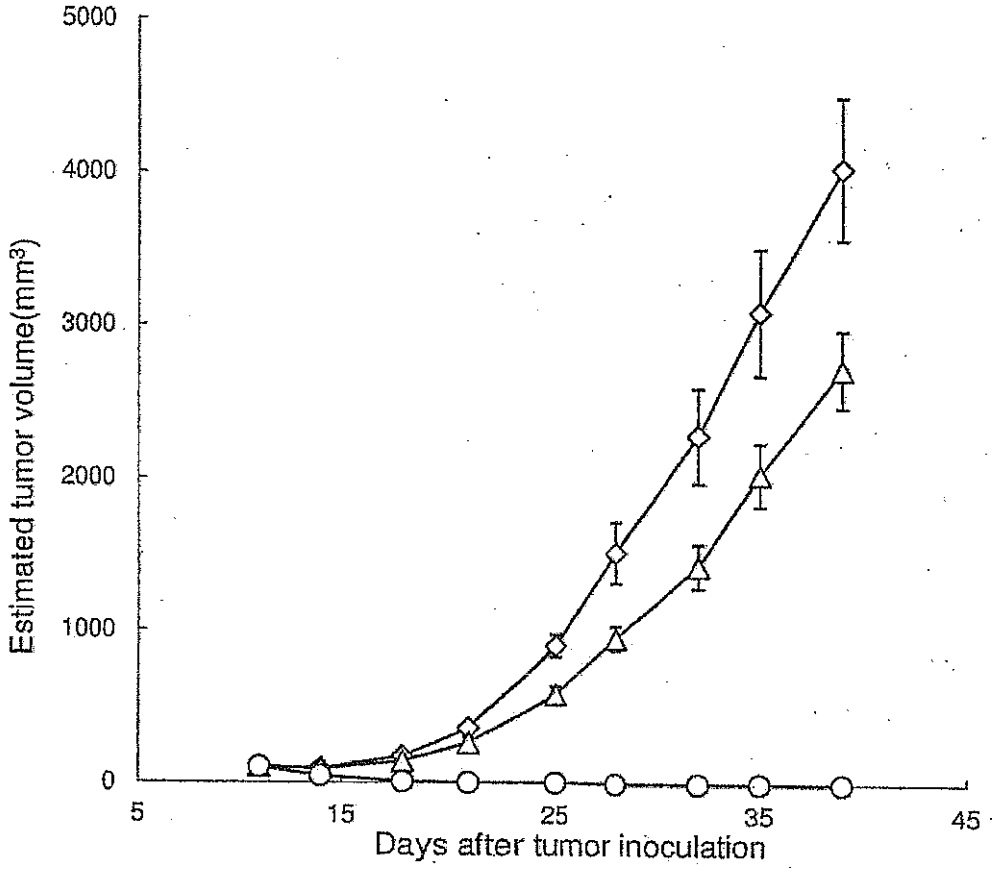

5000
4000
3000
2000
1000
0
Estimated tumor volume(mm3)
5
15
25
35
45
Days after tumor inoculation

Fig. 18

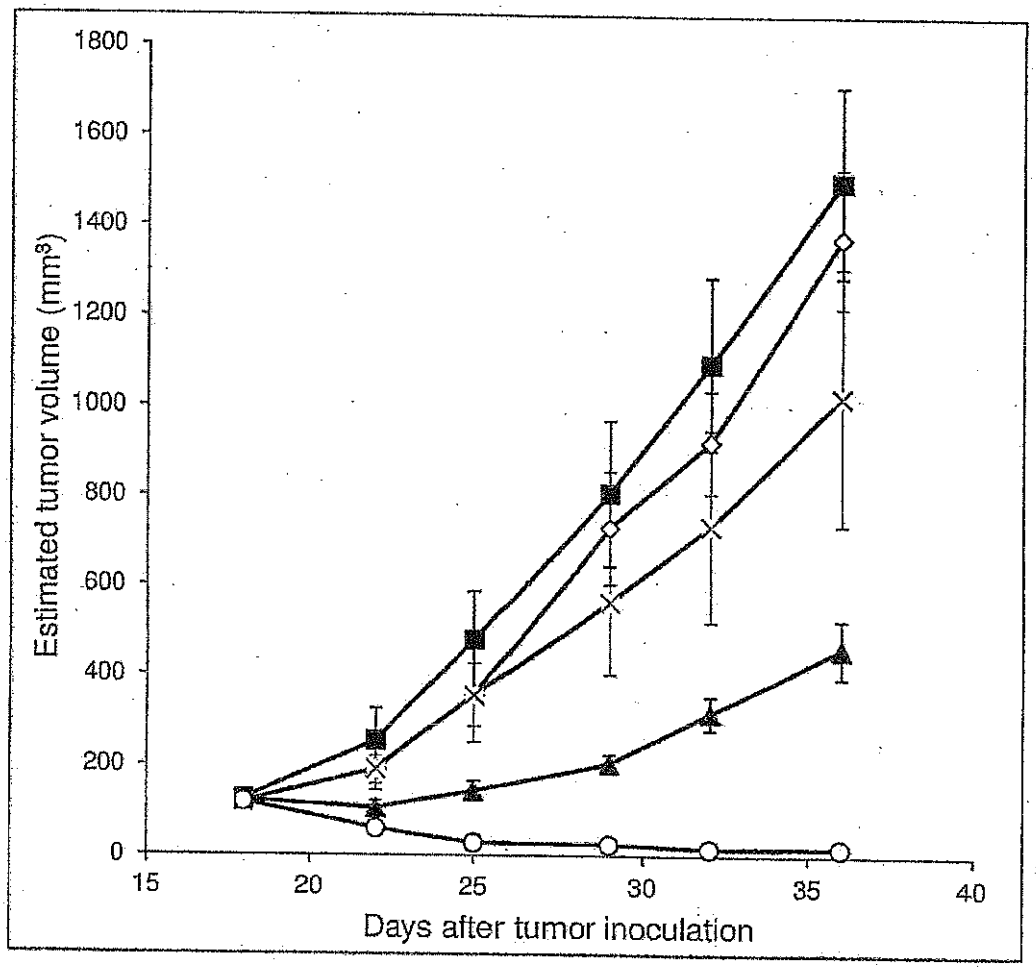

1800
1600
1400
1200
1000
800
600
400
200
0
Estimated tumor volume (mm³)
15
20
25
30
35
40
Days after tumor inoculation

Fig. 19

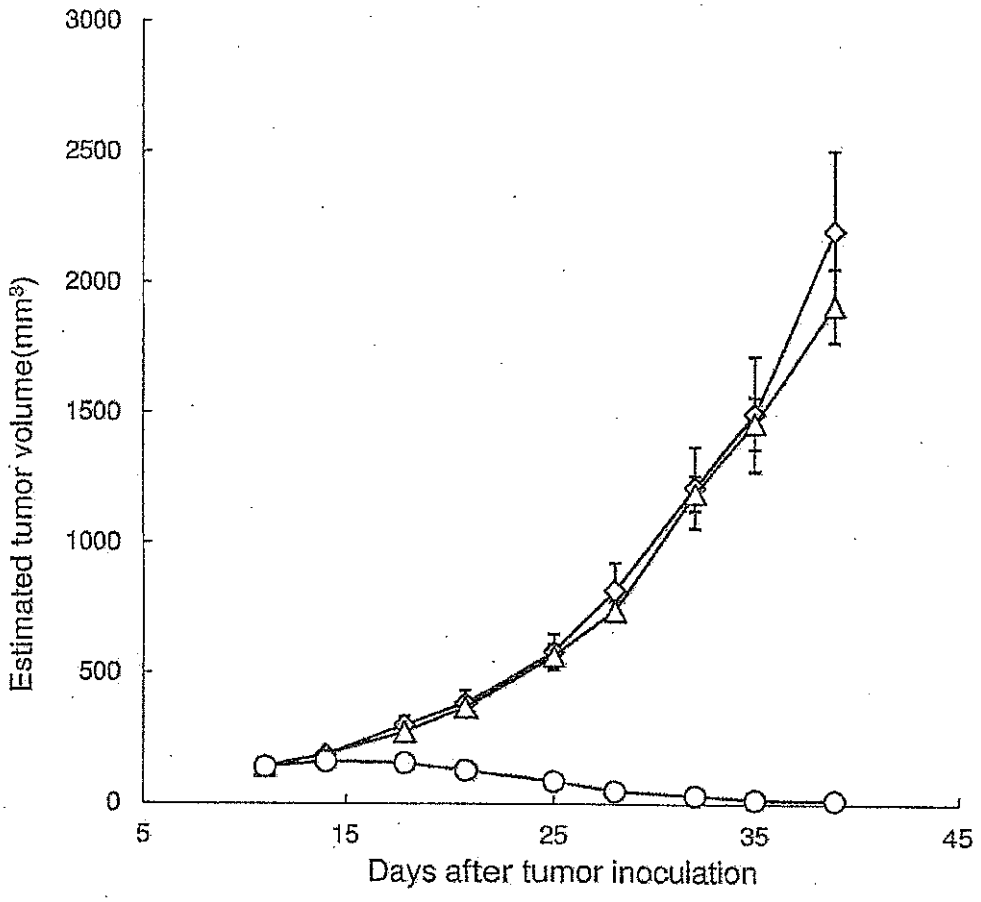

3000
2500
2000
1500
1000
500
0
Estimated tumor volume(mm³)
5
15
25
35
45
Days after tumor inoculation

Fig. 20

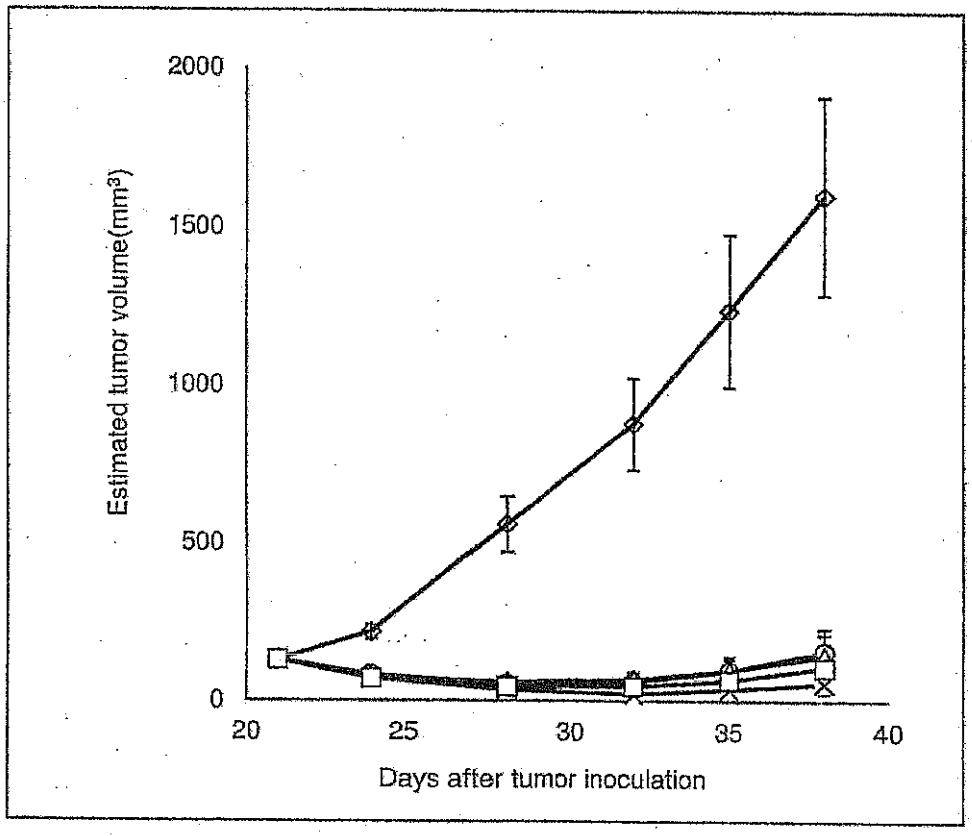

2000
1500
1000
500
0
Estimated tumor volume(mm³)
20
25
30
35
40
Days after tumor inoculation

Fig. 21

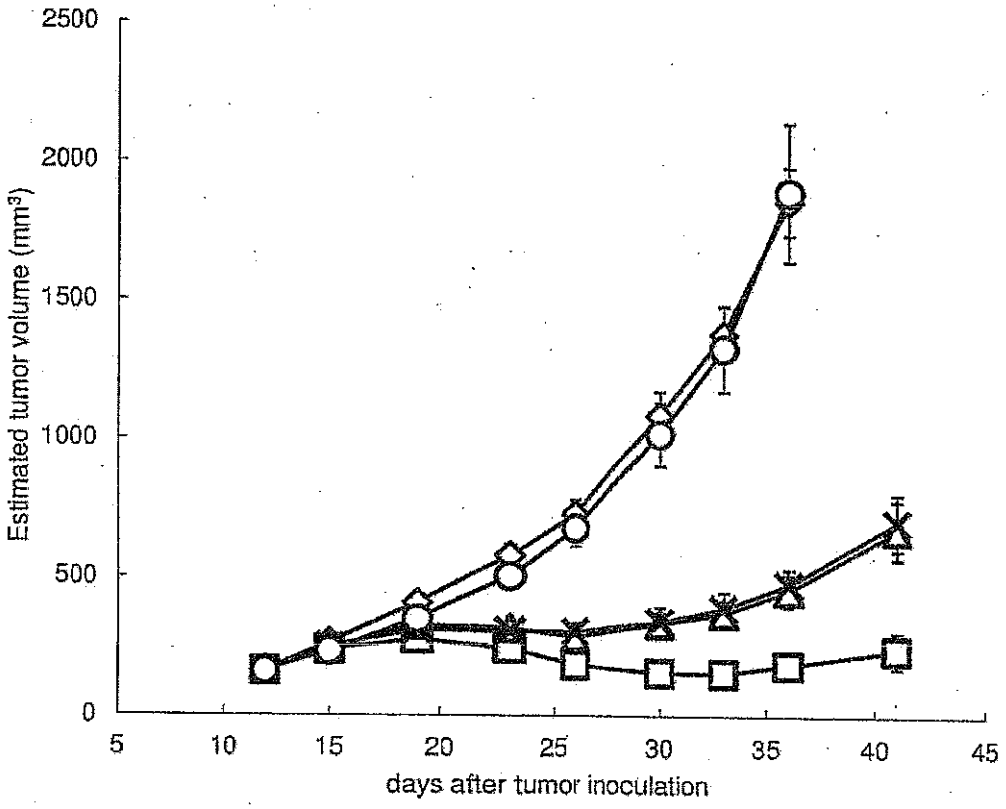
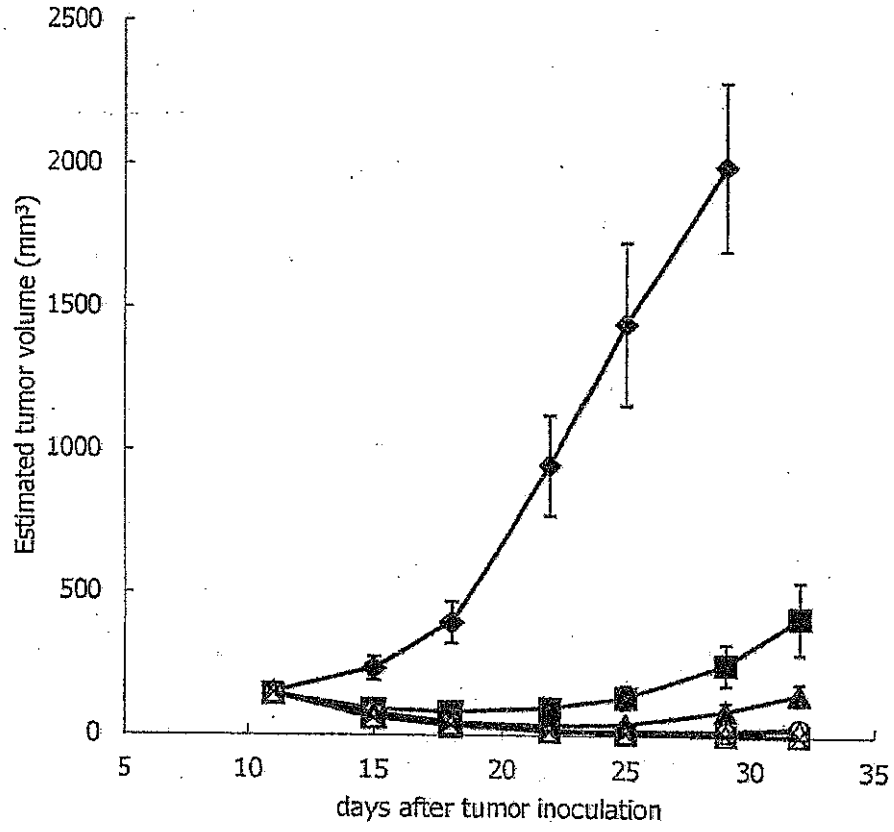

2500
2000
1500
1000
500
0
Estimated tumor volume (mm³)
5
10
15
20
25
30
35
40
45
days after tumor inoculation

Fig. 22


2500
2000
1500
1000
500
0
Estimated tumor volume (mm³)
5
10
15
20
25
30
35
days after tumor inoculation