

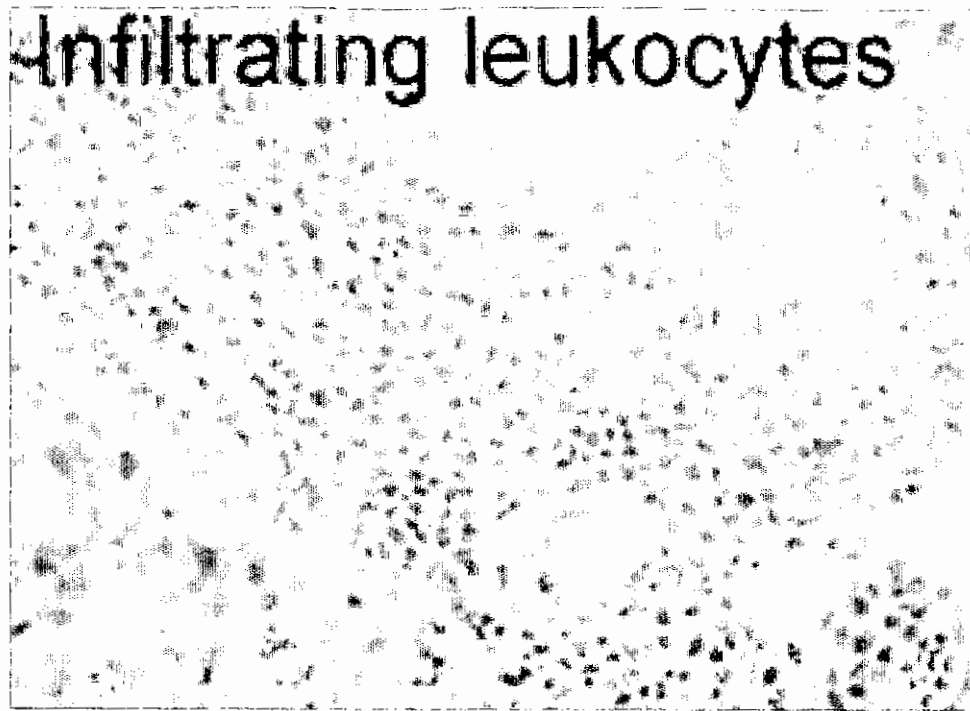


FIG. 1

FIG. 2C

3G4 IgG2a Heavy Chain (SEQ ID NO:10)

```

1      /-----Leader-----\-----
      MGWTWIFILI LSVTTGVHSE VOLQQSGPEL EKPGASVKLS CKASGYSFTG YNMNWVKQSH GKSLEWIGHI
71     -----3G4 VH-----\
      DPYYGDTSYN QKFRGKATLT VDKSSSTAYM QLKSLTSEDS AVYYCVKGGY YGHWYFDVWG AGTTVTVSSA
141    -----mouse IgG2a CH1 domain-----
      KTTAPSVYPL APVCGDTTGS SVTLGCLVKG YFPEPVTLTW NSGSLSSGVH TFPVQLQSDL YTLSSSVTVT
211    -----\-----hinge-----\-----
      SSTWPSQSIT CNVAHPASST KVDKKEPRGP TIKPCPPCKC PAPNLLGGPS VFIFPPKIKD VLMISLSPIV
281    -----mouse IgG2a CH2 domain-----
      TCVVVDVSED DPDVQISWFV NNVEVHTAQT QTHREDYNST LRVVSALPIQ HQDWMSGKEF KCKVNNKDLP
351    -----\-----mouse IgG2a CH3 domain-----
      APIERTISKP KGSVRAPQVY VLPPPEEEMT KKQVTLTCMV TDFMPEDIYV EWTNNGKTEL NYKNTEPVLD
421    -----\
      SDGSYFMYSK LRVEKKNWVE RNSYSCSVVH EGLHNHHTTK SFSRTPGK

```

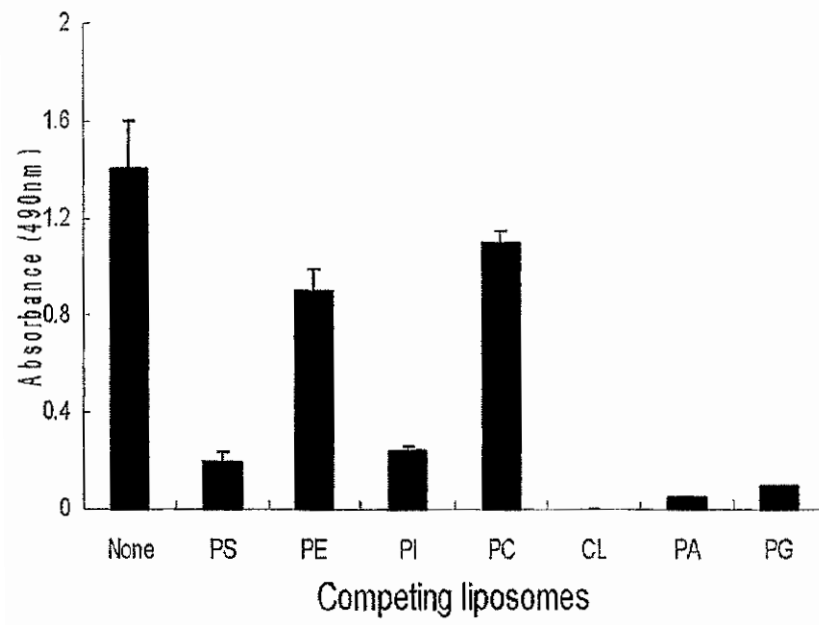
FIG. 2D

3G4 Light Chain (C_k) (SEQ ID NO:11)

```

1      /-----Leader-----\-----
      MDMRAPAQIL GFLLLFPPTG RCDIQMTQSP SSLSASLGER VSLTCRASQD IGSSLNWLQQ GPDGTIKRLI
71     -----3G4 VL-----\
      YATSSLDSGV PKRFGSRSG SDYSLTISSL ESEDFVDYYC LQYVSSPPTF GAGTKLELKR ADAAPTVSIF
141    -----mouse C-kappa-----
      PPSSEQLTSG GASVVCFLNN FYPKDINVKW KIDGSRQNG VLNSWTDQDS KDSTYSMSST LTLTKDEYER
211    -----\
      HNSYTCEATH KTSTSPIVKS FNRNEC

```

**FIG. 3**

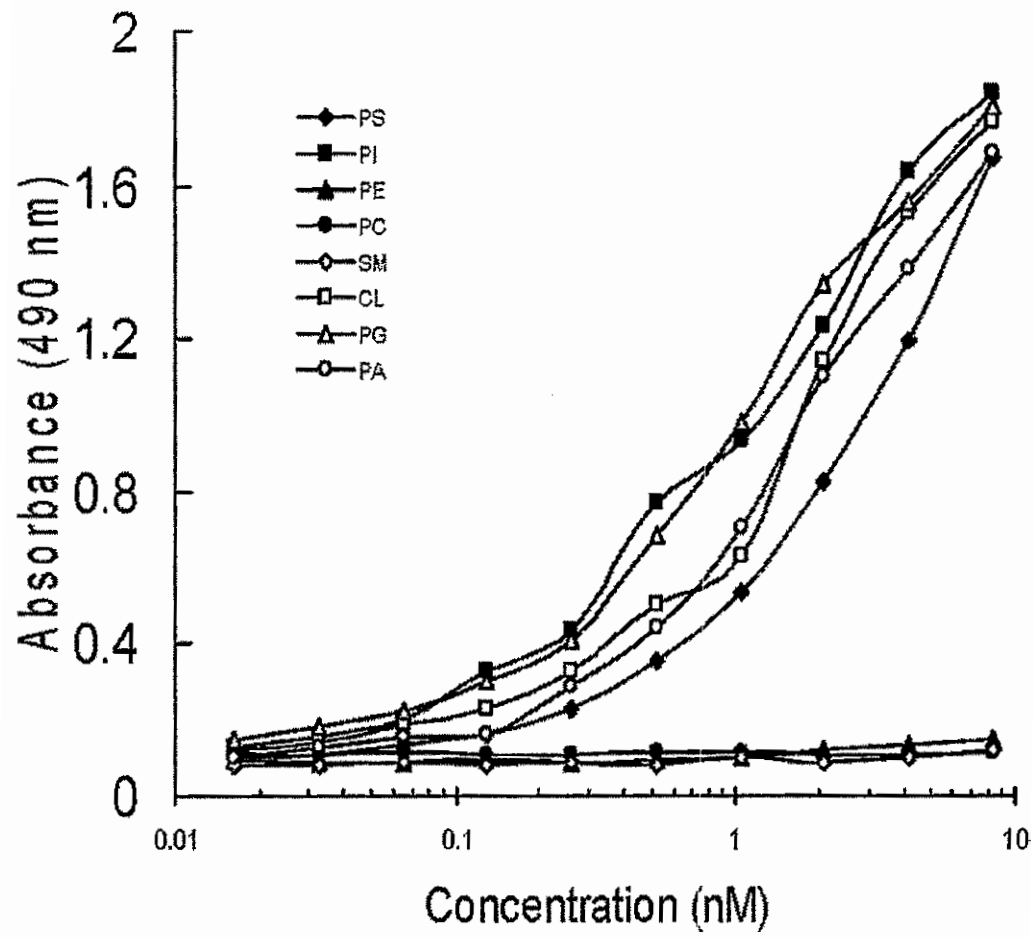
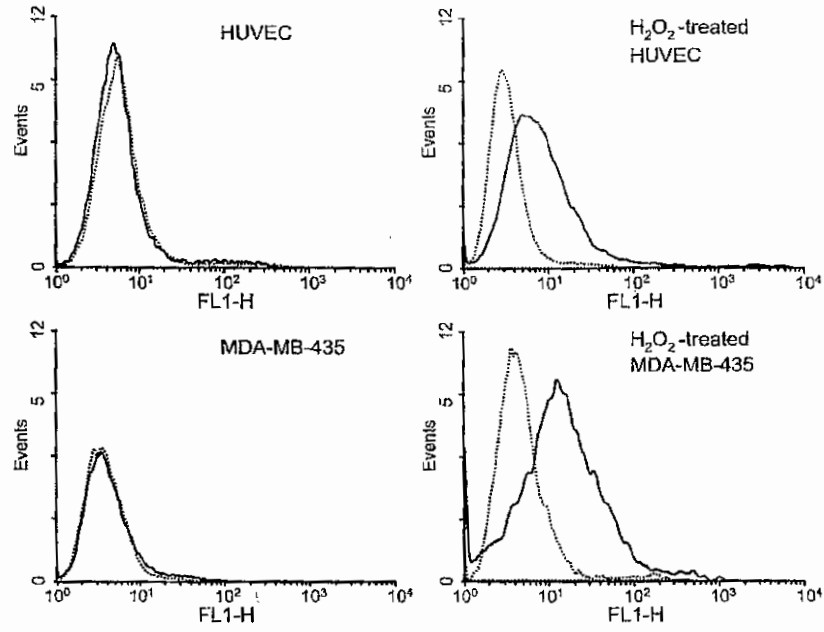
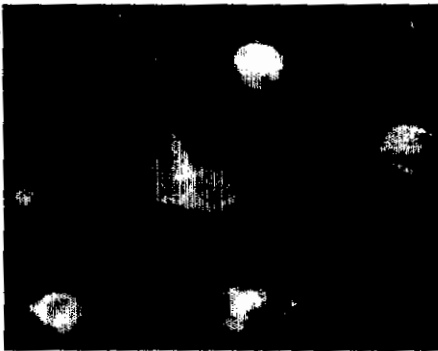
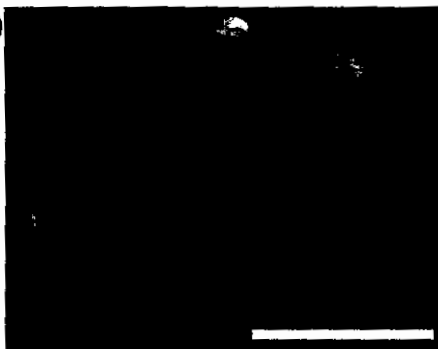
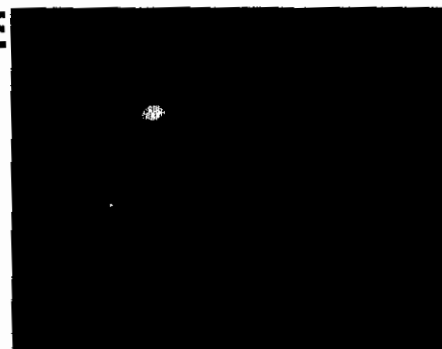


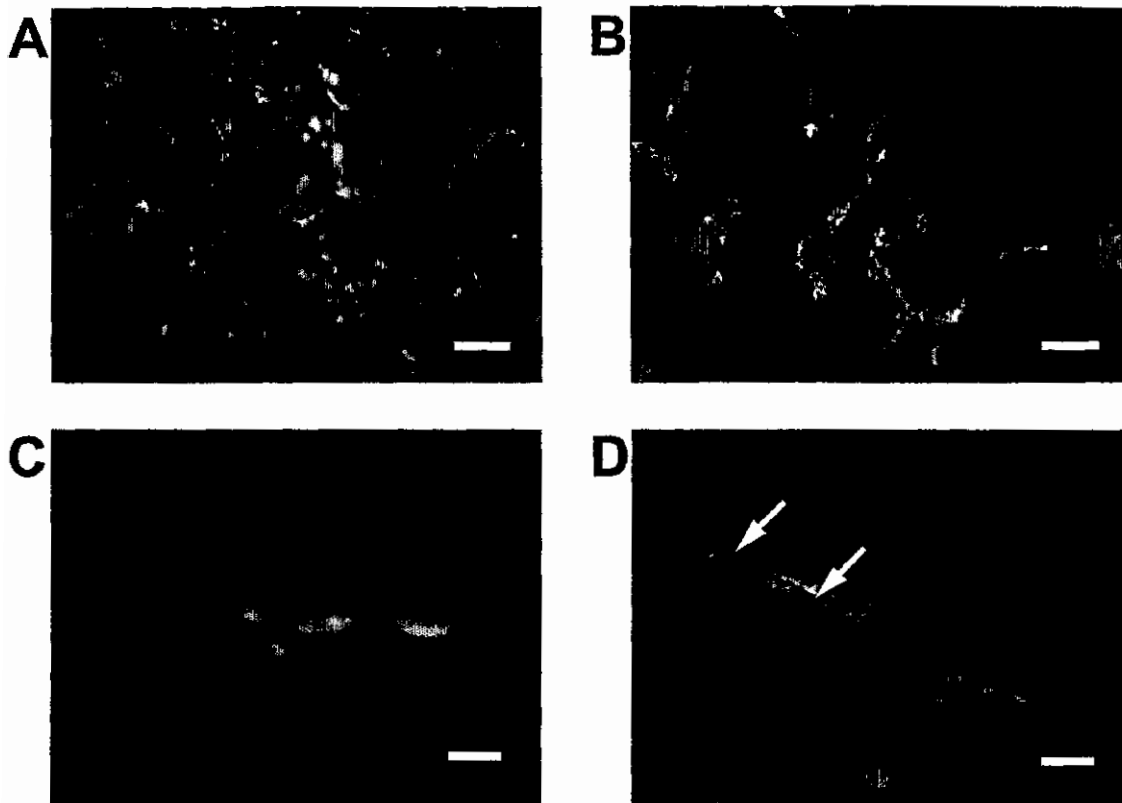
FIG. 4

FIG. 5**A****B****C**

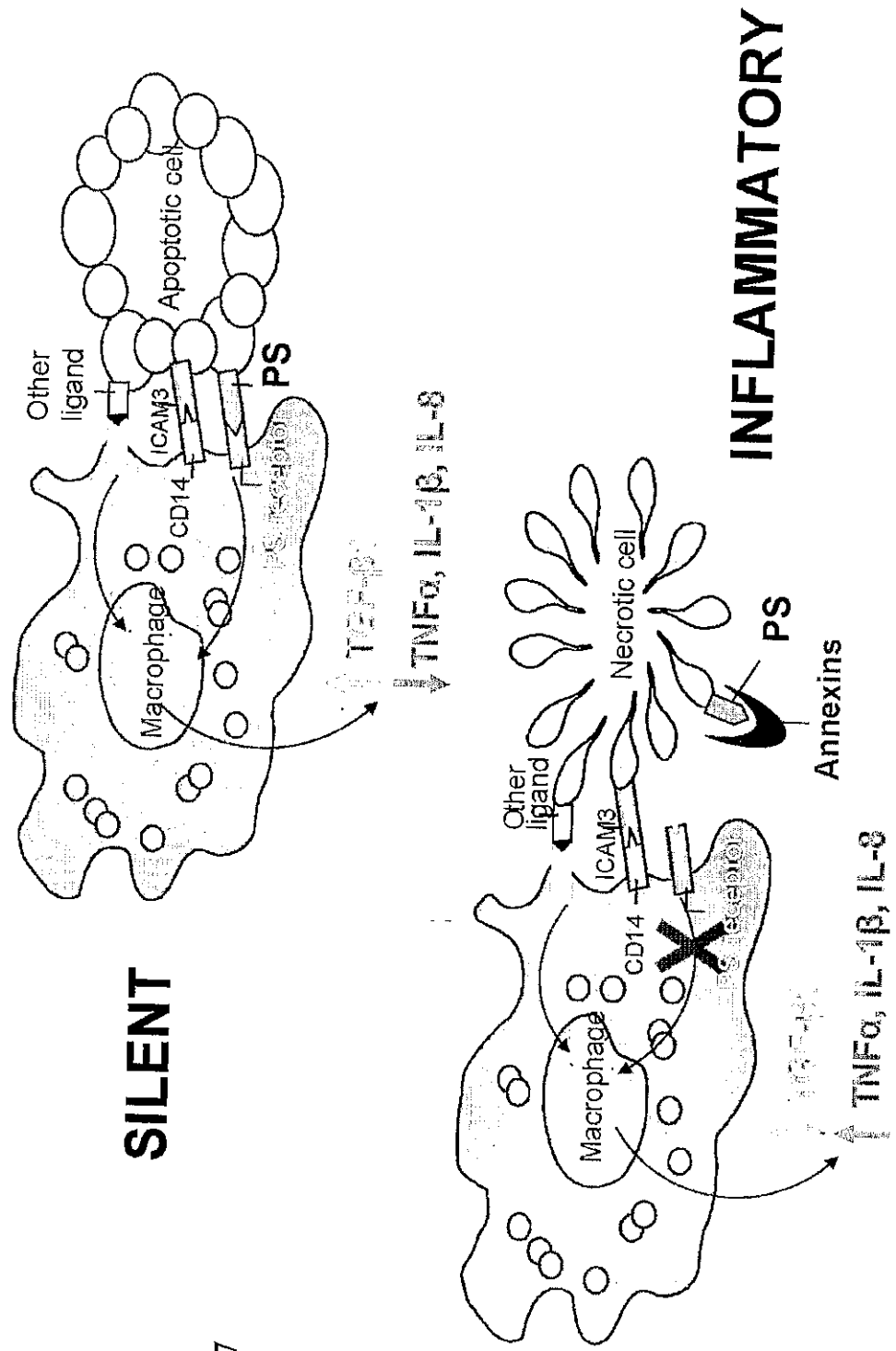
HUVEC

D**E**

MDA-MB435

**FIG. 6**

THE TWO FACES OF PHAGOCYTOSIS



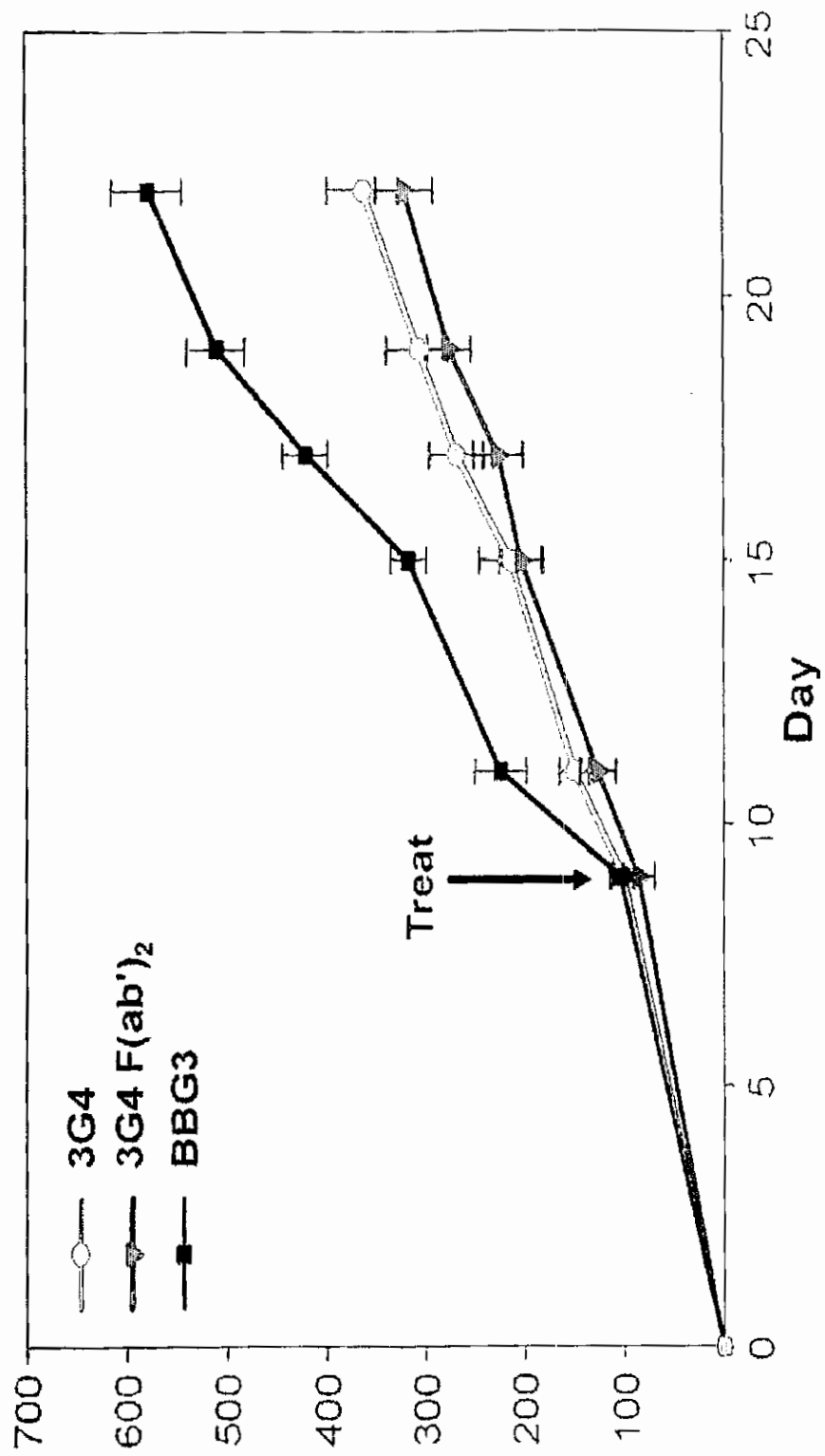
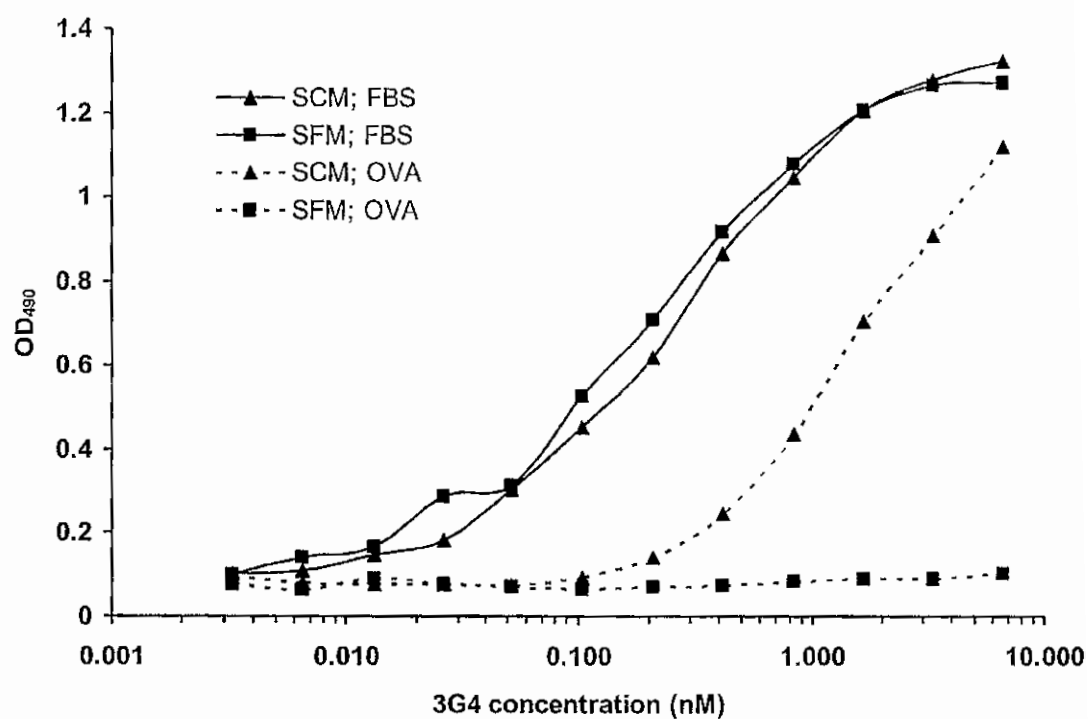


FIG. 8

FIG. 9

A



B

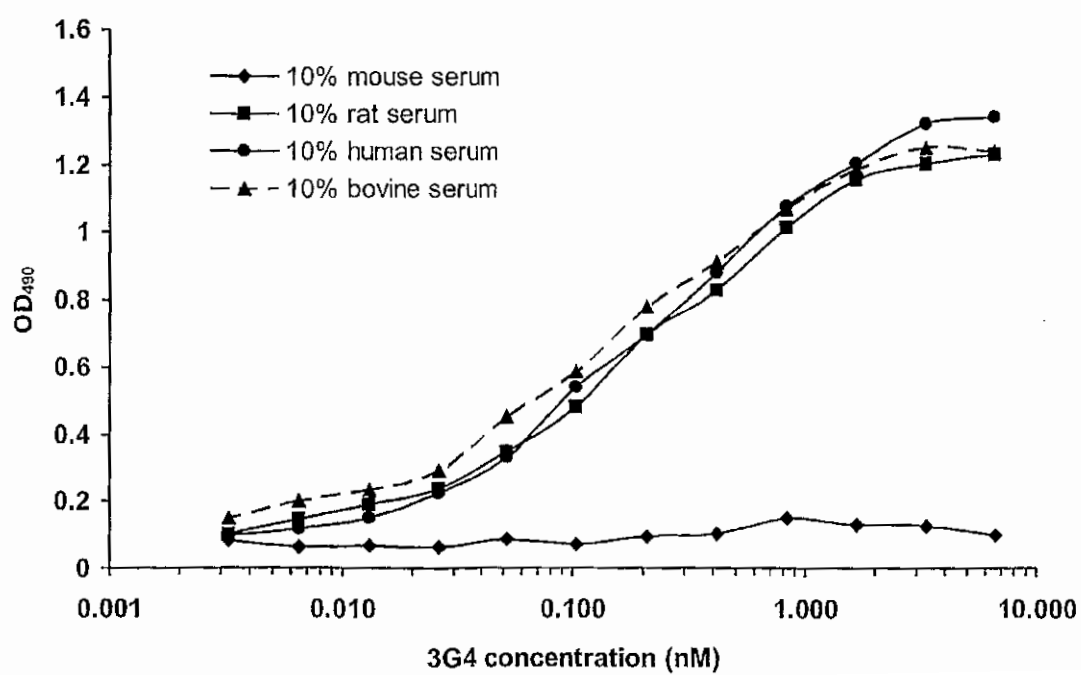
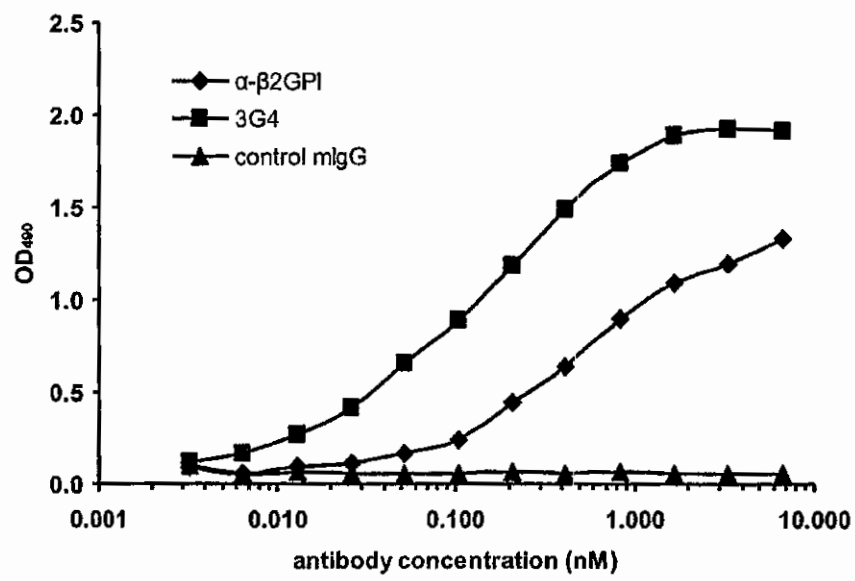


FIG. 10**A**

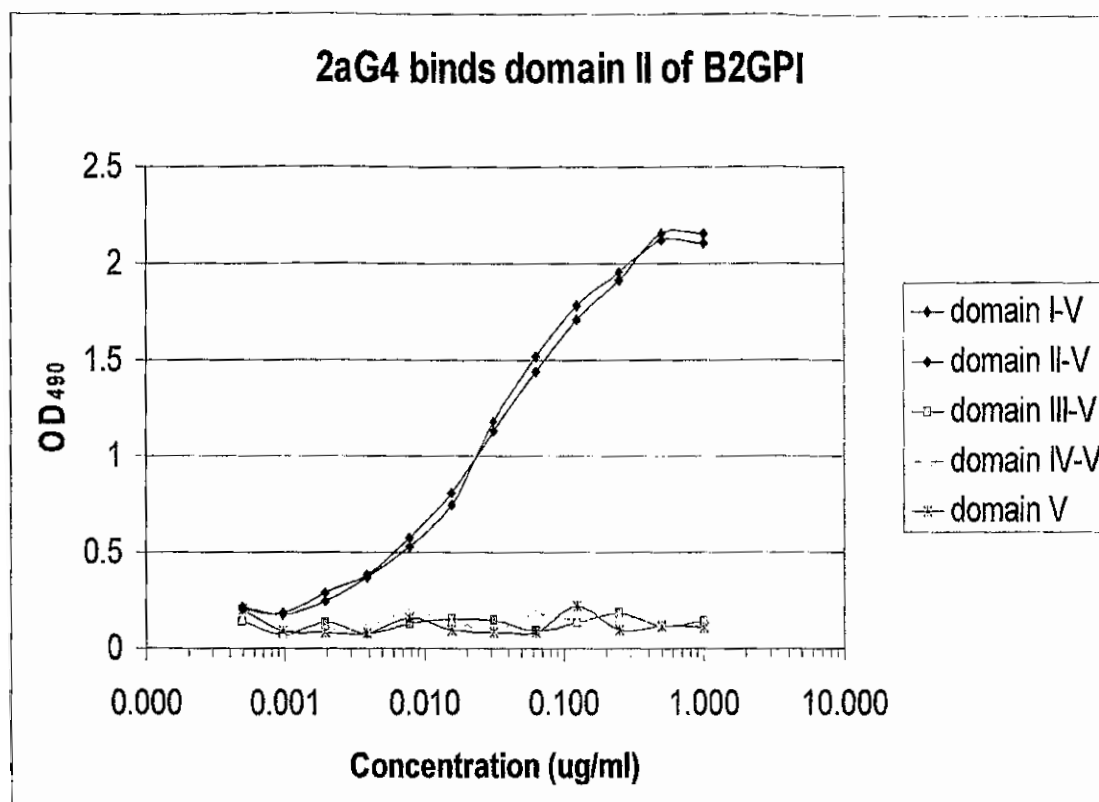
**FIG. 10B**

FIG. 11

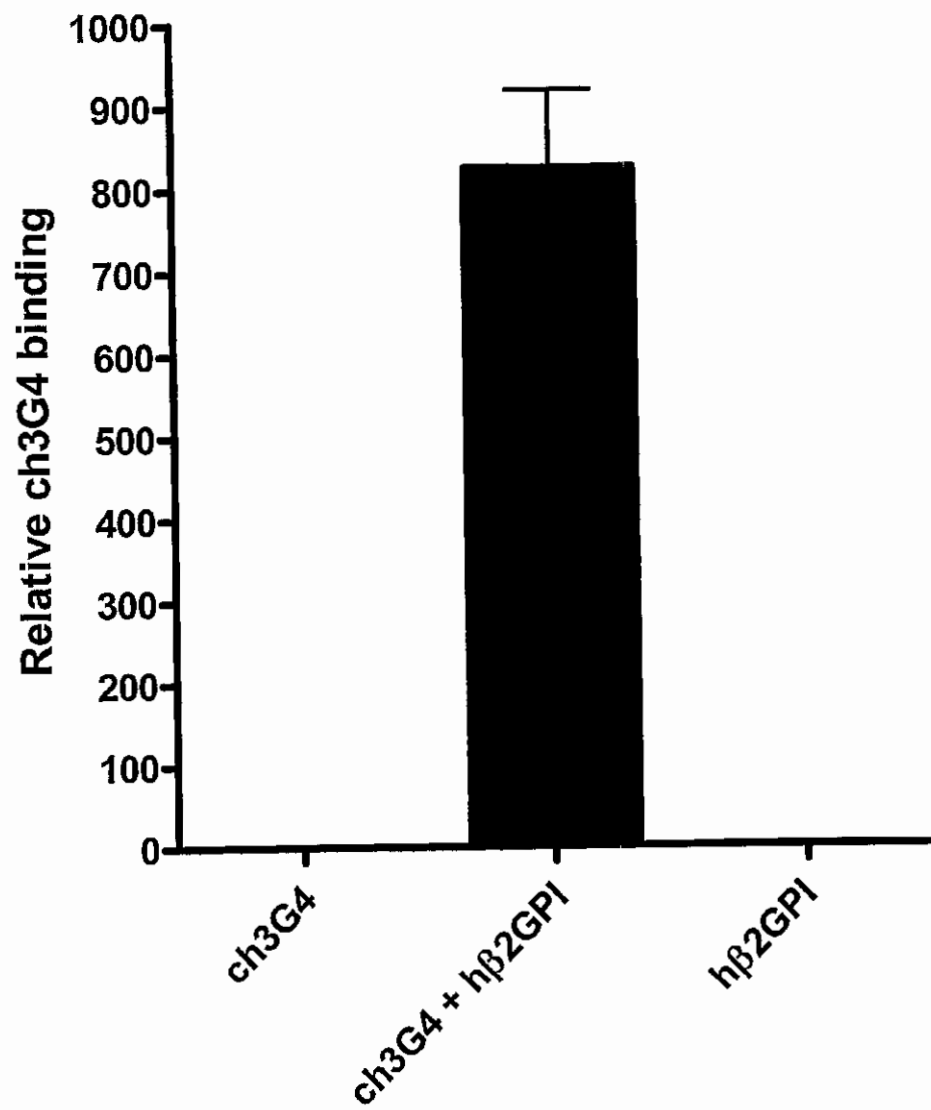
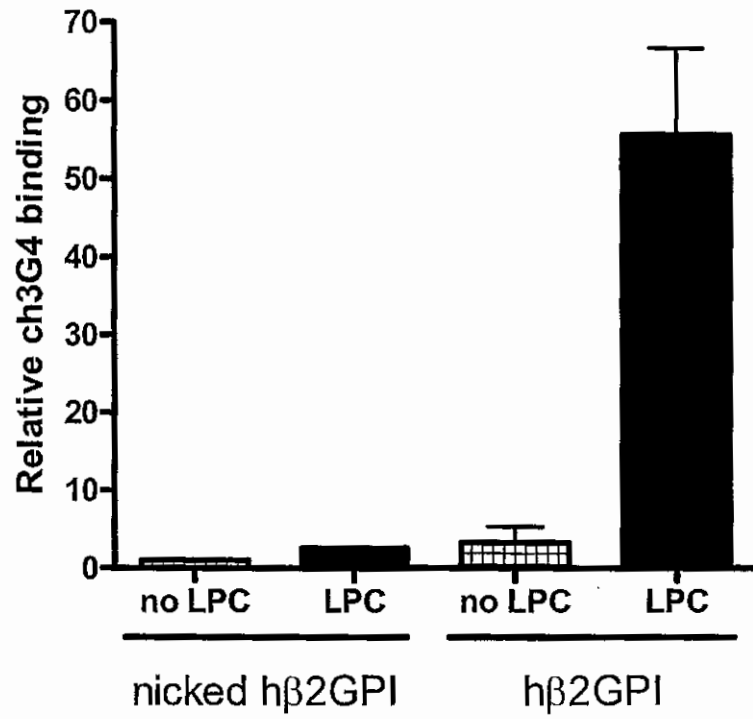


FIG. 12

A



B

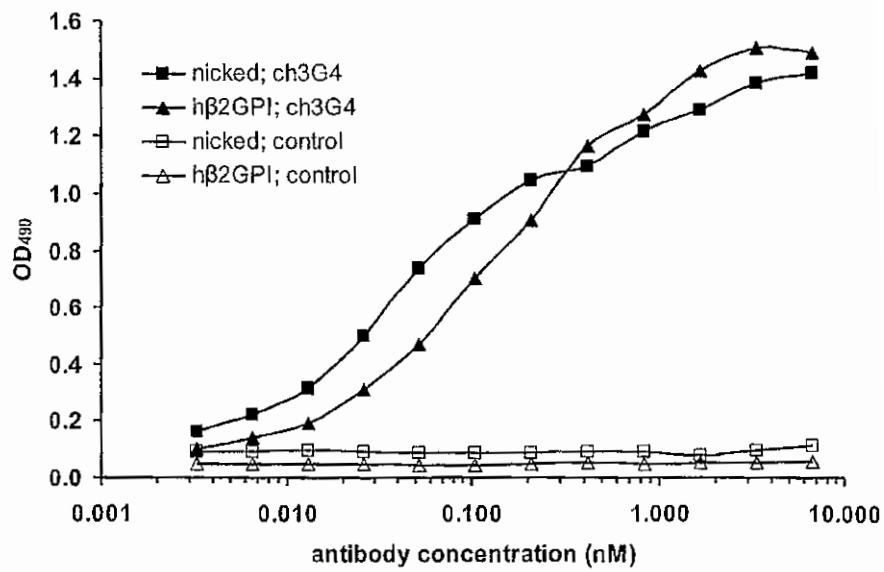


FIG. 13

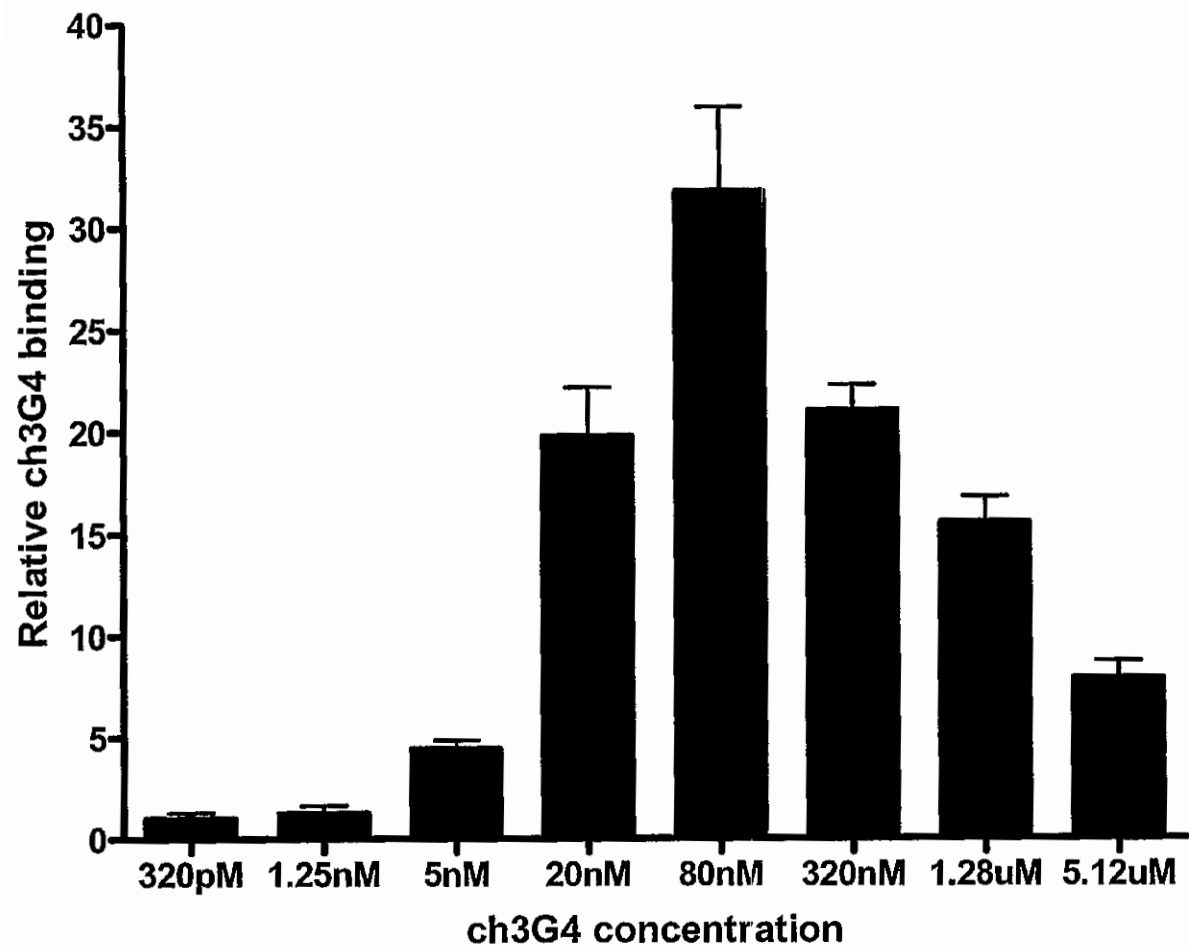
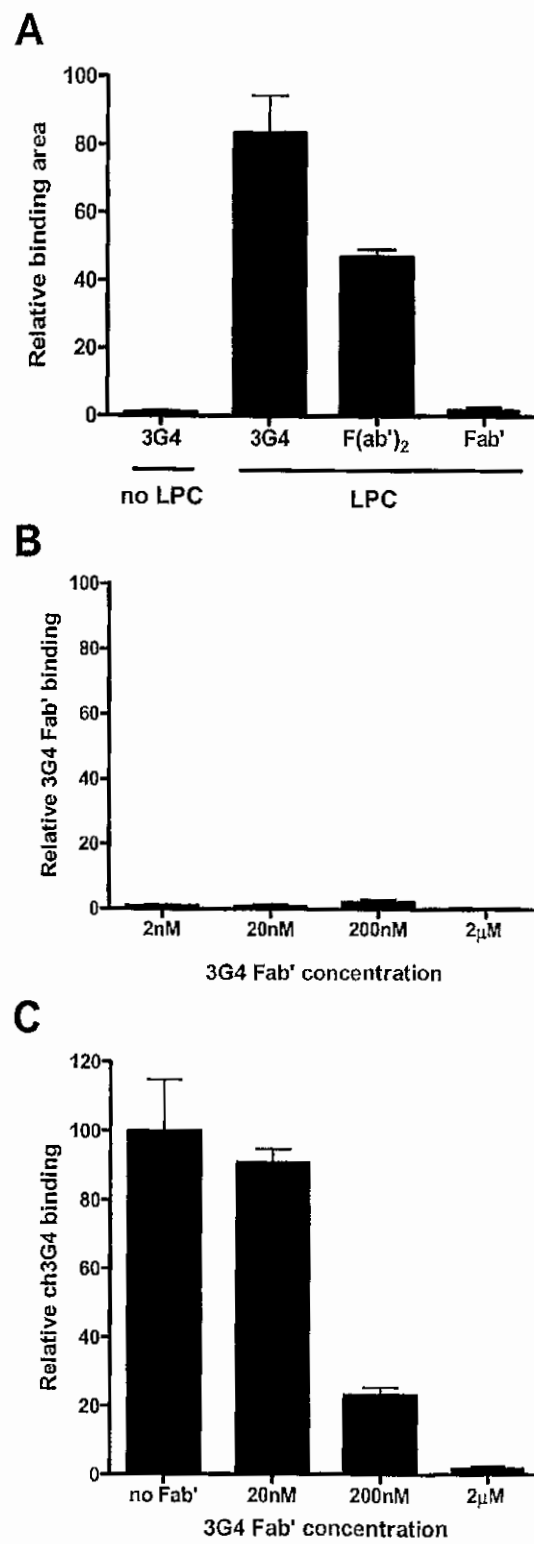


FIG. 14



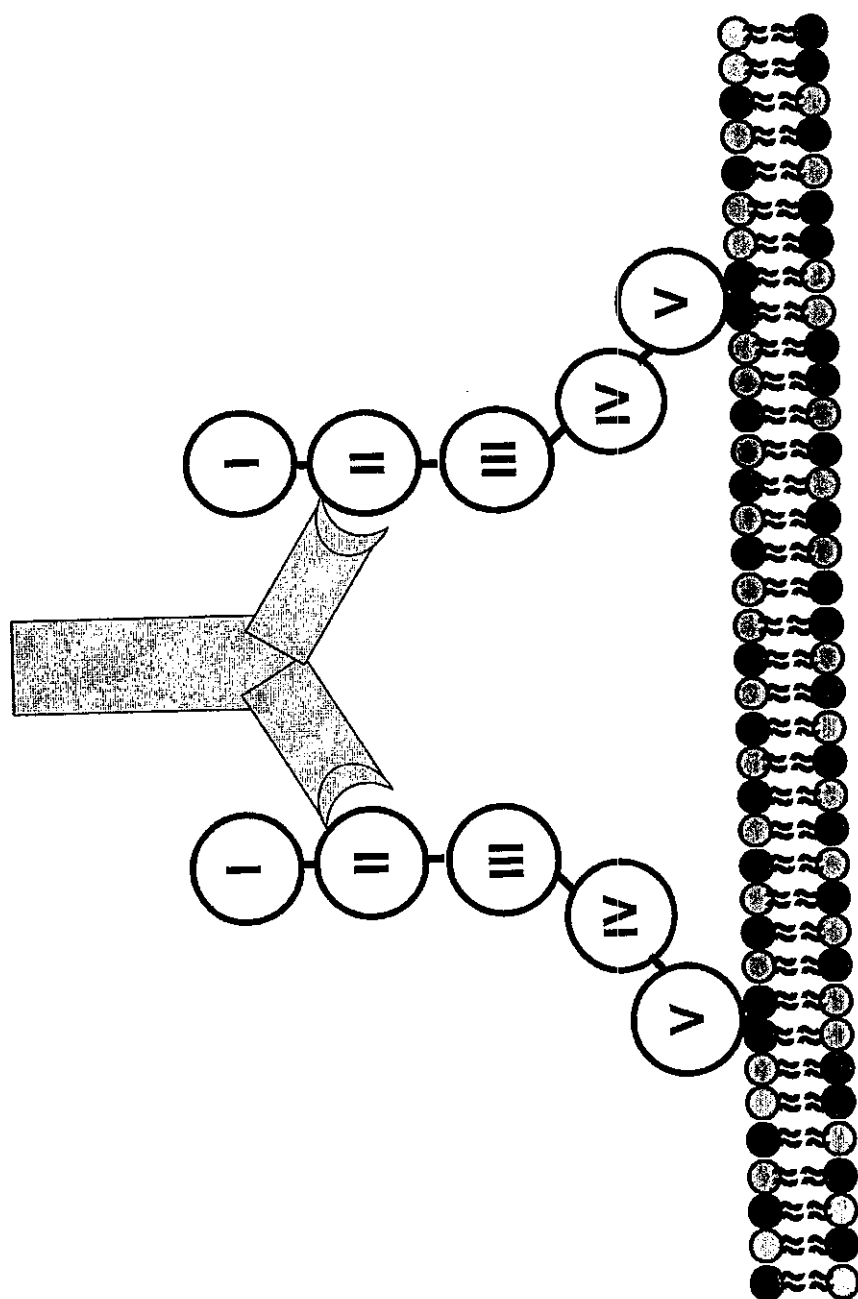


FIG. 15

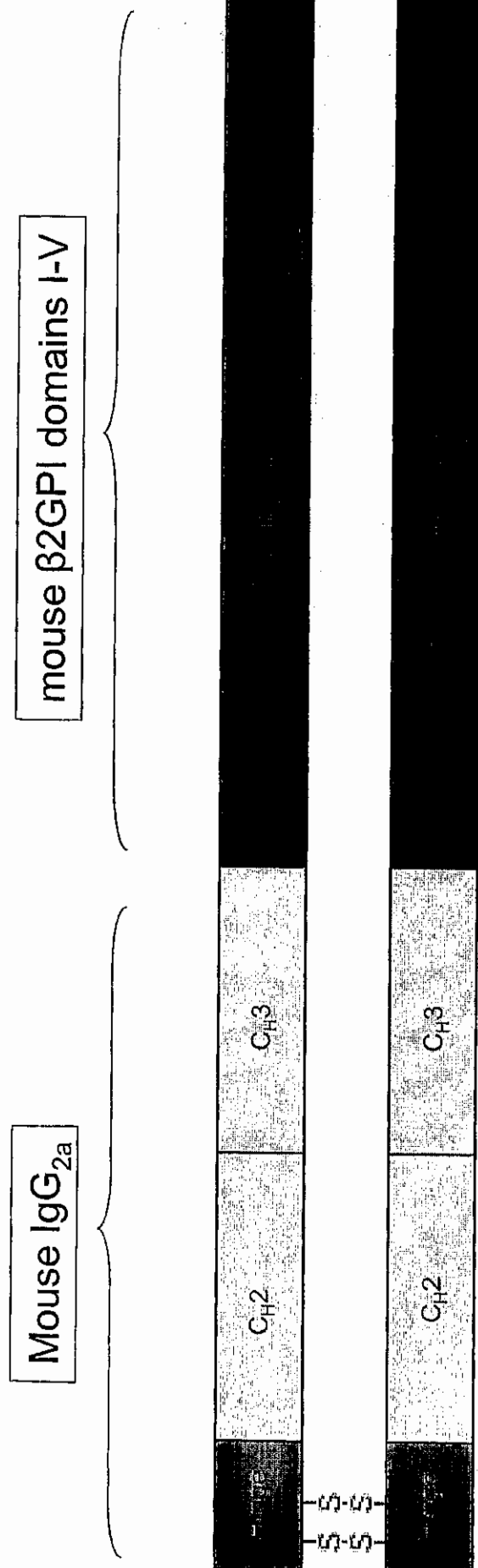


FIG. 16

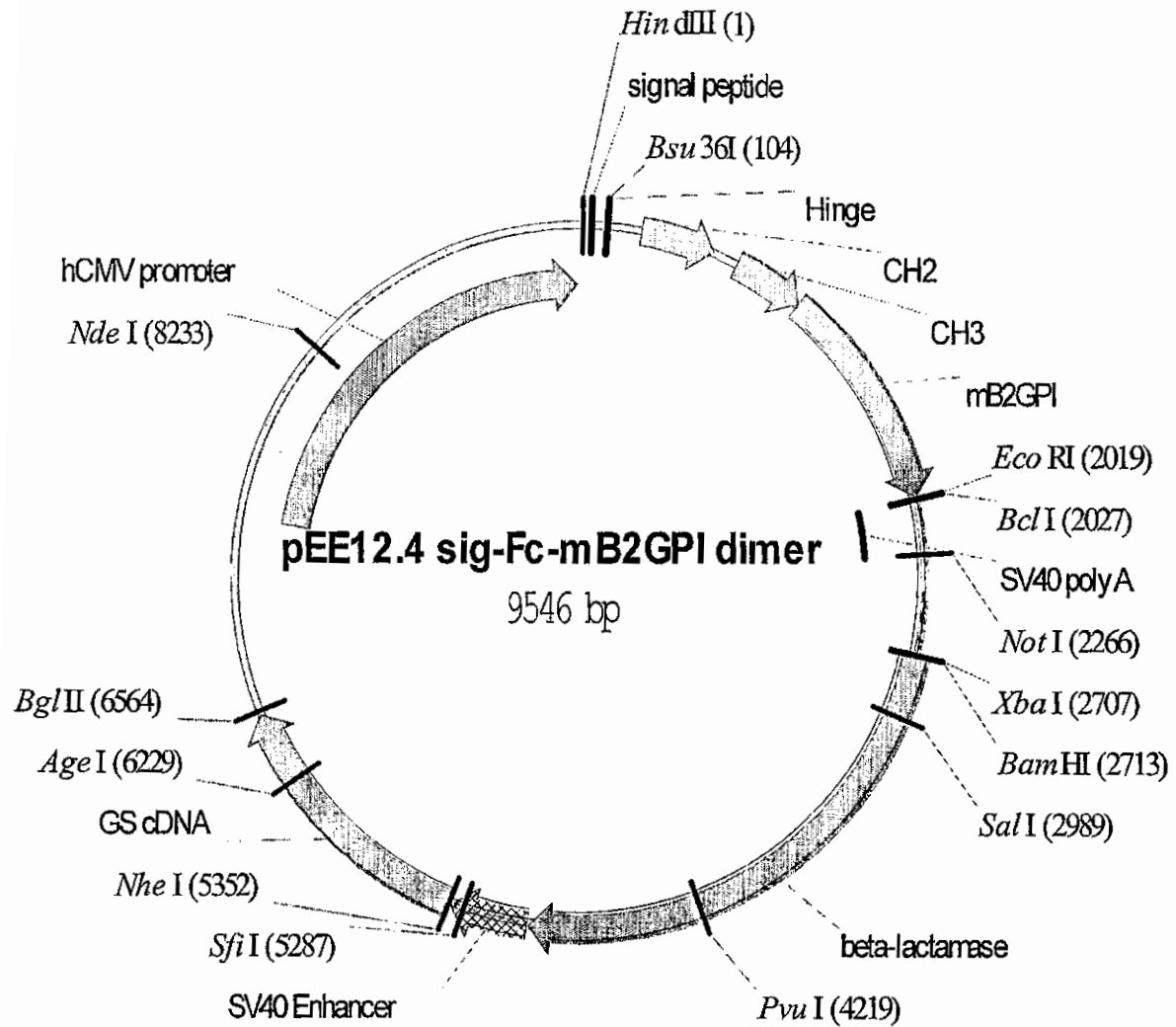


FIG. 17

FIG. 18A

Fc-m β 2GPI protein sequence:

```

      1
/---mIgGk signal seq-----\-----hinge-----\ /-----
-24  MDMRAPAQIL GFLLLLFPGT RCLREPRGPT IKPCPPCKCP APNLLGGPSV FIFPPKIKDV LMISLSPIVT CUVVDVSEDD

-----mouse IgG2a CH2 domain-----\ /-----
56  PDVQISWFFVN NVEVHTAQIQ THREDYNSTL RVVSALPIQH QDWMSGKEFK CKVNNKDLPA PIERTISKPK GSVRAPQVYV

-----mouse IgG2a CH3 domain-----
136  LPPPEEEMTK KQVTLTTCMVT DFMPEDIYVE WTNNGKTELN YKNTPEVLDS DGSYFMYSKL RVEKKNWVER NSYSCSVVHE

-----\-----
216  GLANHHHTTKS FSRTEGKTGG RICPKPDDL PAVVPLKTS YDPGEQIVYS CKPGYVSRGG MRRFTCPLTG MWPINTLRGV
      [-----Domain I-----]

-----
296  PRVCPFAGIL ENGIIVRYTSF EYPKNISFAC NPGFFLNGTS SSKCTEEGKW SPDIPACARI TCPPPPVPKF ALLKDYRPSA
      [-----Domain II-----]

-----mouse  $\beta$ 2GPI-----
376  GNNSLYQDTV VFKCLPHFAM IGNDTVMCTE QGNWTRLPEC LEVKCPFPFR PENGYVNYPA KPVLLYKDKA TFGCHETVKL
      [-----Domain III-----] [-----Domain IV-----]

-----
456  DGPEEAECTK TRTWSFLPTC RESCKLPVKK ATVLYQGMV KIQEQFKNGM MHGDKIHFYC KNKEKCSYT VEAHC RDGTI
      [-----Domain V-----]

-----\-----
536  EIPSCFKEHS SLAFWKDAS ELTPC
      [-----]

```

FIG. 18B

Human IgG₁ heavy chain constant region protein sequence:

```

/-----CH1 region-----
ASTKGPSVFP LAPSSKSTSG GTAALGCLVK DYFPEPVTVS WNSGALTSGV HTFPAVLQSS GLYSLSSVVT VPSSSLGTQT
-----\-----hinge-----\-----
YICNVNHKPS NTKVDKKVEP KSCDKHTTCP PCPAPPELLGG PSVFLFPPKP KDTLMISRTP EVTCVVVDVS HEDPEVKFNW

-----CH2 region-----\-----
YVDGVEVHNA KTKPREEQYN STYRVVSVLT VLNQDNLNGK EYCKVSNKA LPAPIEKTIS KAKGPQREPQ VYTLPPSRDE

-----CH3 region-----
LTQNQVSLTC LVKGFYPSDI AVEWESNGQP ENNYKTTPPV LDSGGSFFLY SKLTVDKSRW QQGNVFSCSV MHEALHNHYT

-----\
QKSLSLSPG

```

Human β 2GPI protein sequence:

```

/-----Domain I-----\-----
1  GRTCPKPDLL PFSTVVELKT FYEPGEEITY SCKPGYVSRG GMRKFICPLT GLWPINTLKC TPRVCPFAGI LENGAVRYTT

-----Domain II-----\-----Domain III-----
81  FEYPNTISFS CNTGFYLNGA DSAKCTEEGK WSPELPVCAP IICPPPSIPT FATLRVYKPS AGNNSLYRDT AVFECLPQHA

-----\-----Domain IV-----
161 MFGNDTITCT THGNWTKLPE CREVKCPFPS RPDNGFVNYP AKPTLYYKDK ATFGCHDGYS LDGPEEIECT KLGNWSAMPS

-----\-----Domain V-----
241 CKASCKLPVK KATVVYQGER VKIQEKFKNG MLHGDKVSFF CKNKEKKCSY TEDAQCIDGT IEVPKCFKEH SSLAFWTDA

-----\
321 SDVKPC

```

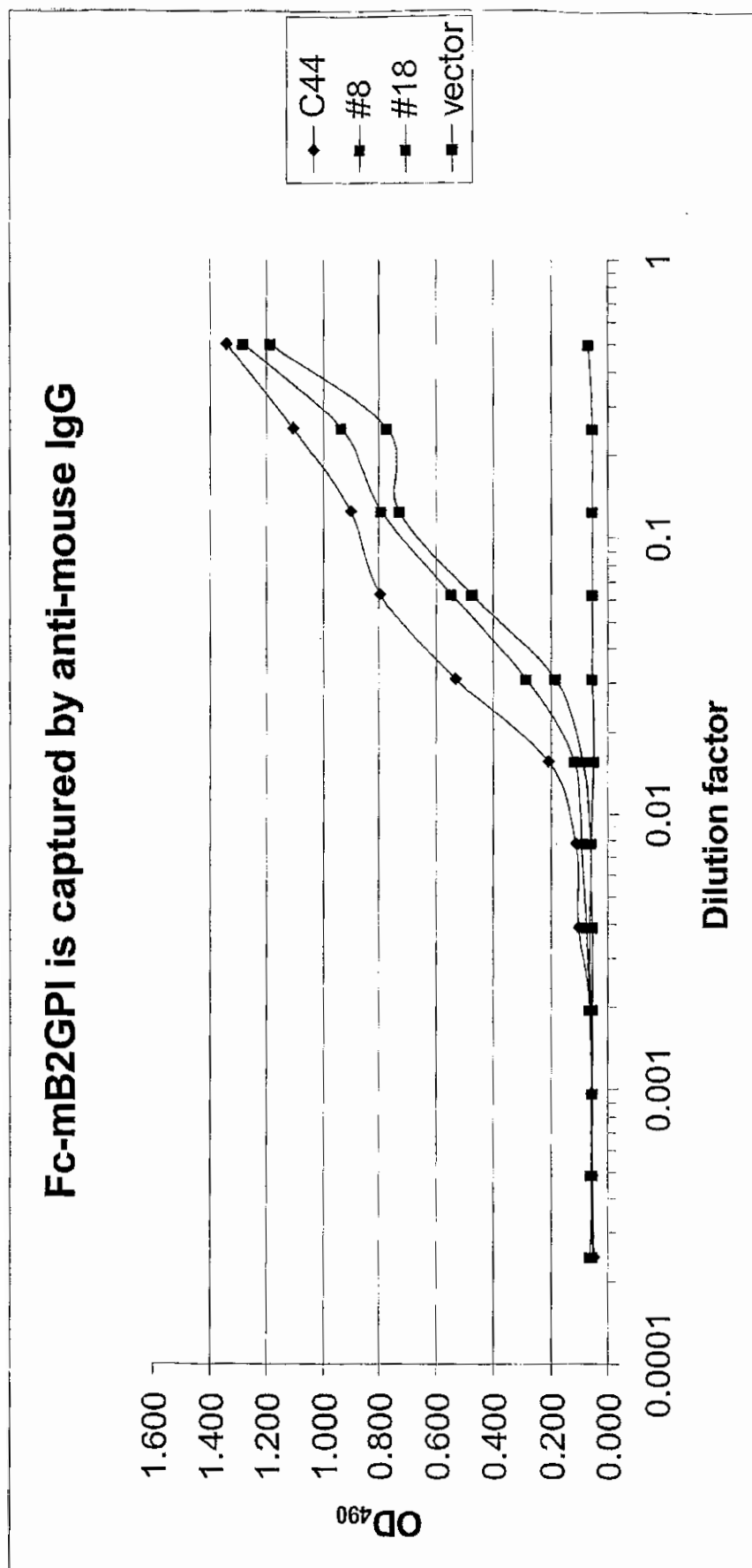


FIG. 19

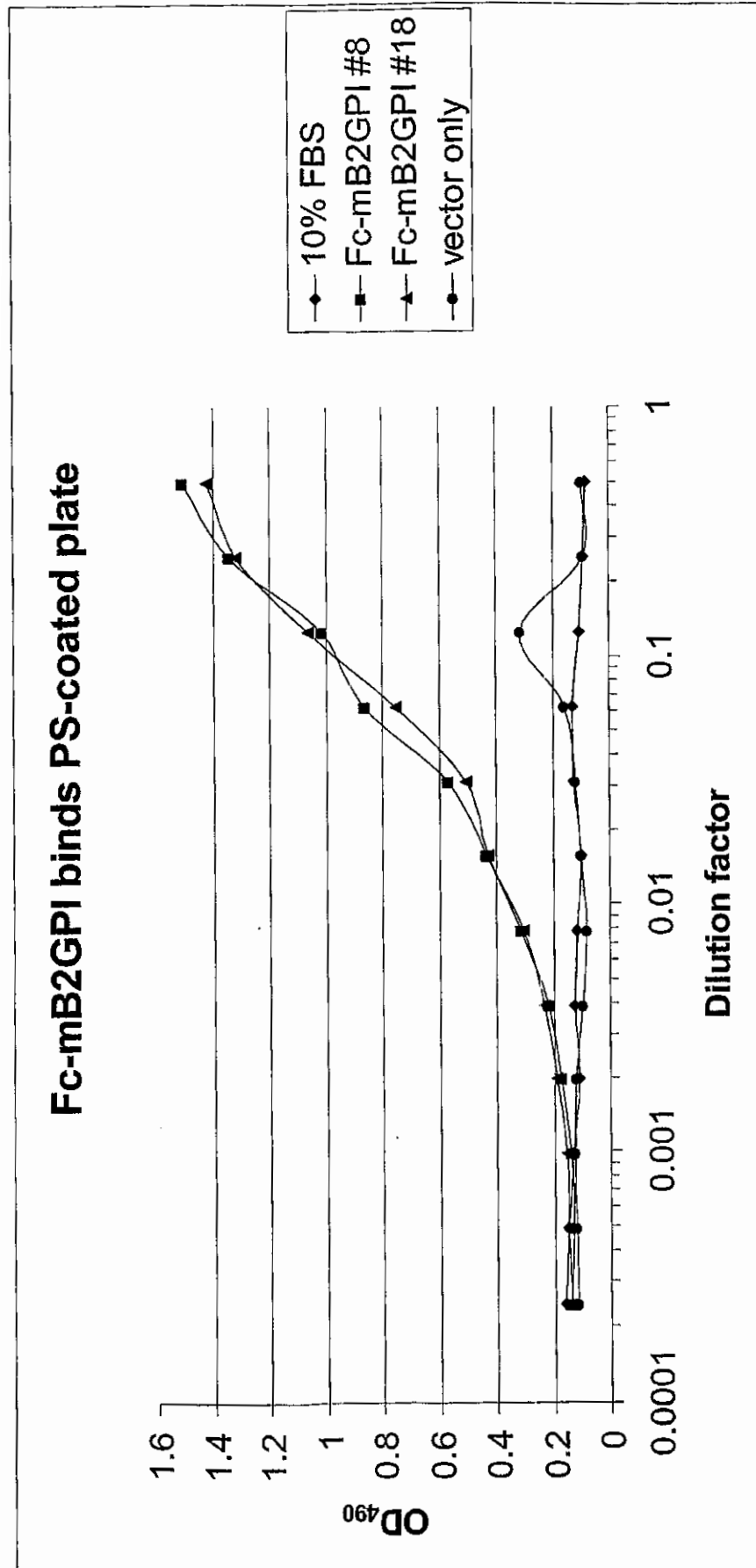


FIG. 20

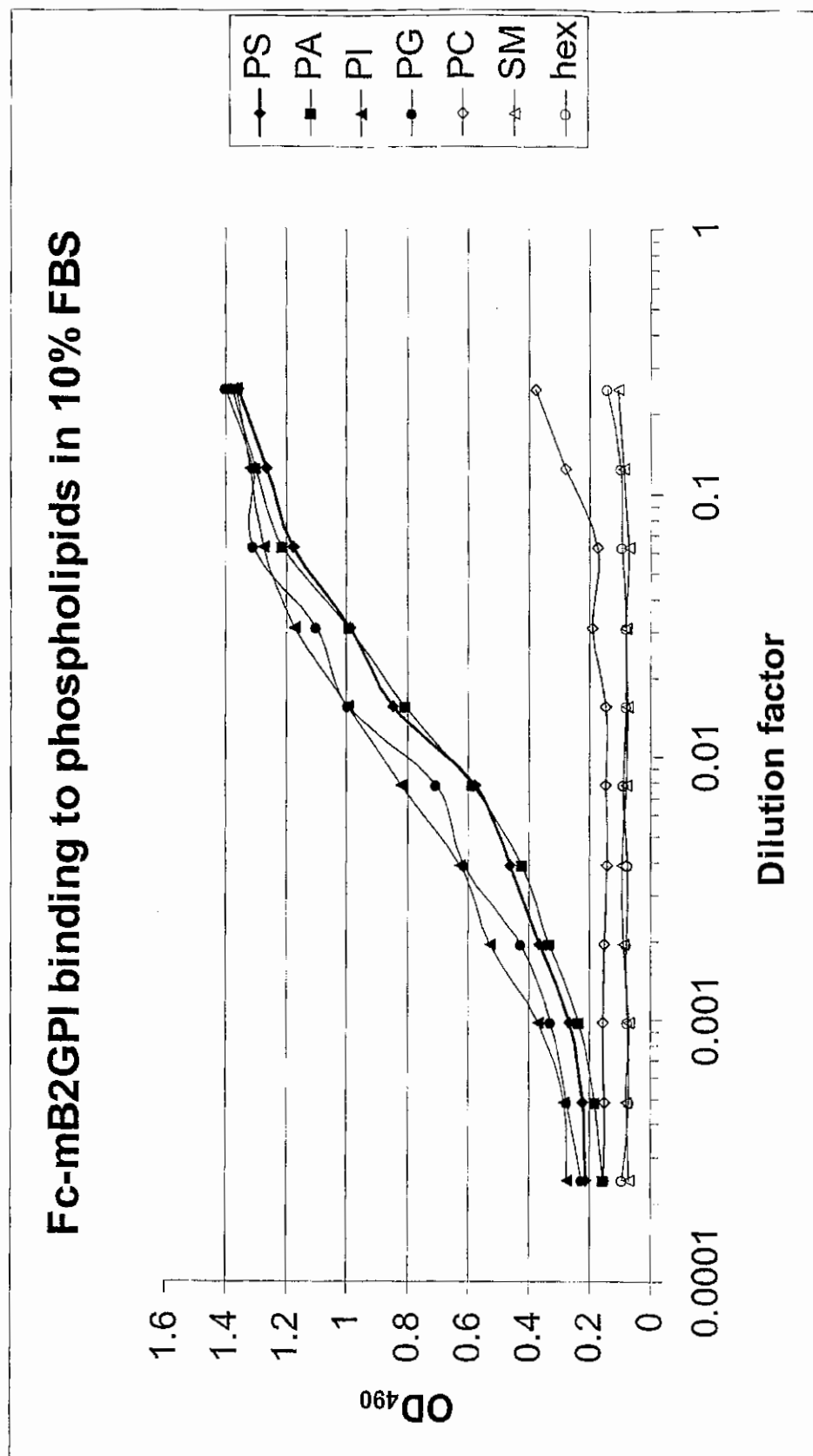


FIG. 21



FIG. 22A

FIG. 22B

FIG. 22C



FIG. 23B



FIG. 23A

FIG. 24