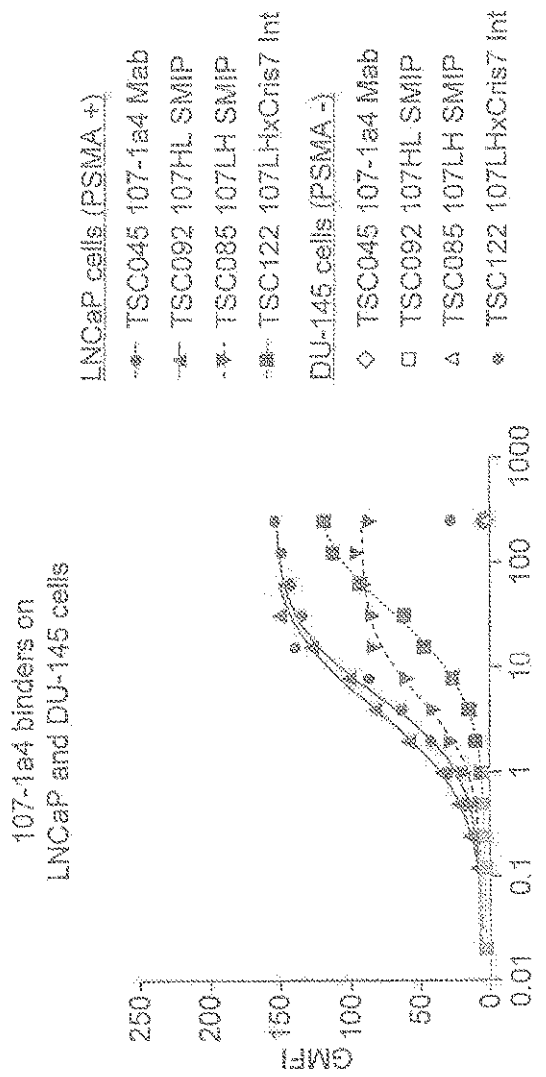
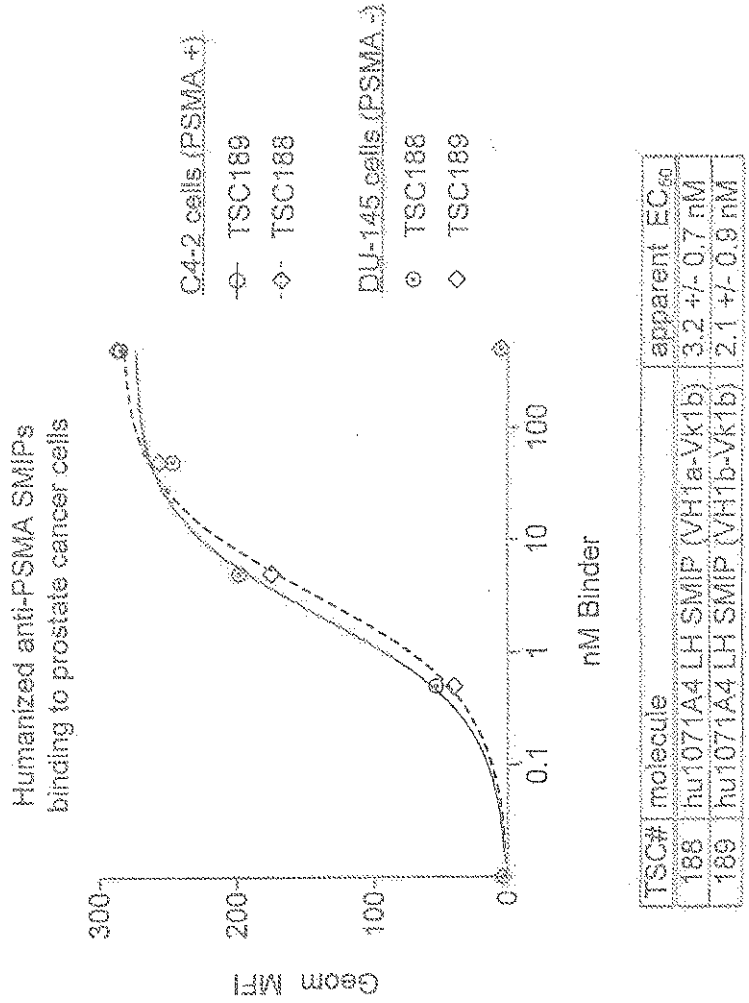


Compound	EC50
TSC045	5.4 +/- 0.8 nM
TSC092	4.0 +/- 0.5 nM
TSC085	4.9 +/- 0.6 nM

FIG. 1



TSC#	molecule	apparent EC_{50}
188	hu1071A4 LH SMIP (VH1a-Vk1b)	3.2 +/- 0.7 nM
189	hu1071A4 LH SMIP (VH1b-Vk1b)	2.1 +/- 0.9 nM

FIG. 2A

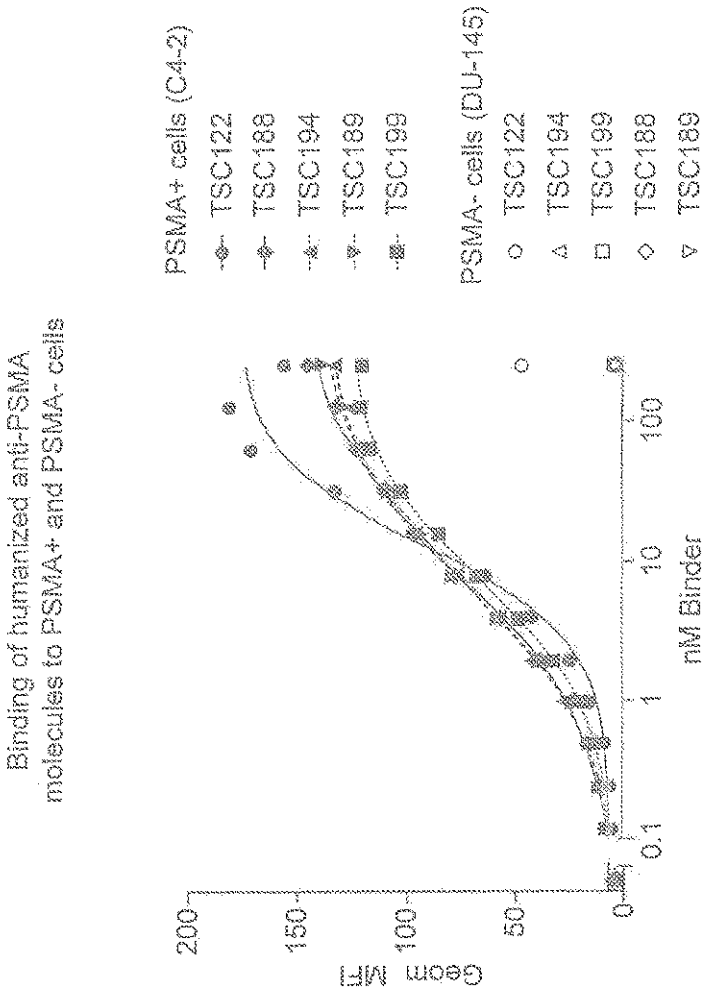

Binding of humanized anti-PSMA molecules to PSMA+ and PSMA- cells
PSMA+ cells (C4-2)
TSC122
TSC188
TSC194
TSC189
TSC199
PSMA- cells (DU-145)
TSC122
TSC194
TSC199
TSC188
TSC189
Geom MFI
200
150
100
50
0
0.1
1
10
100
nM Binder

FIG. 2B

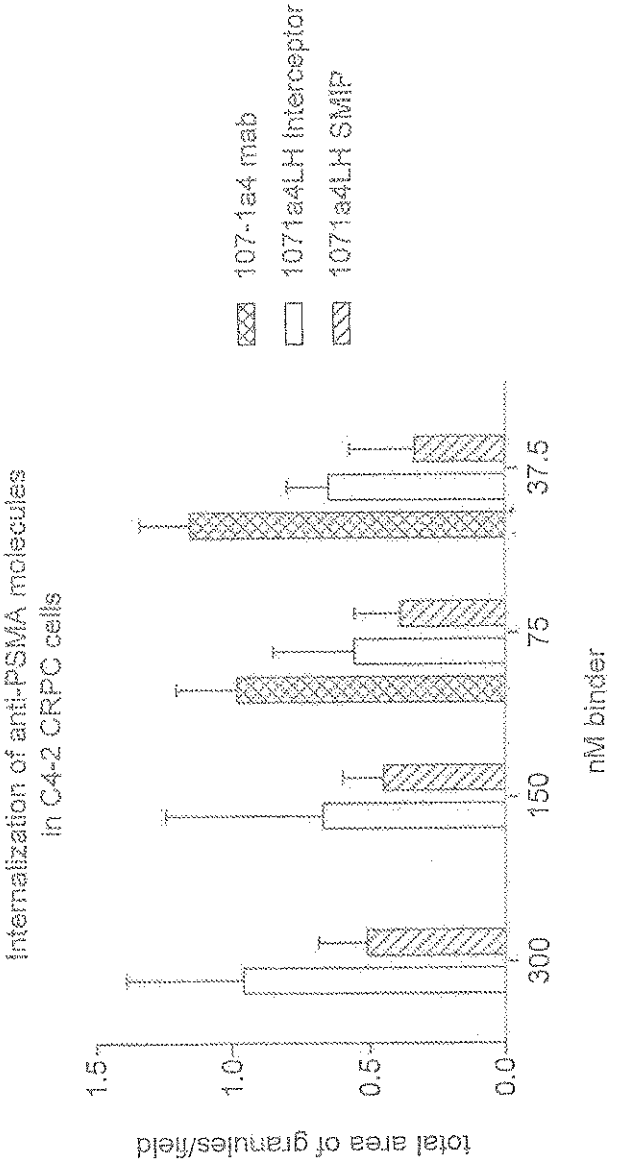

Internalization of anti-PSMA molecules
in C4-2 CRPC cells
107-1a4 mab
1071a4LH Interceptor
1071a4LH SMIP
total area of granules/field
0.0
0.5
1.0
1.5
300
150
75
37.5
nM binder

FIG. 3

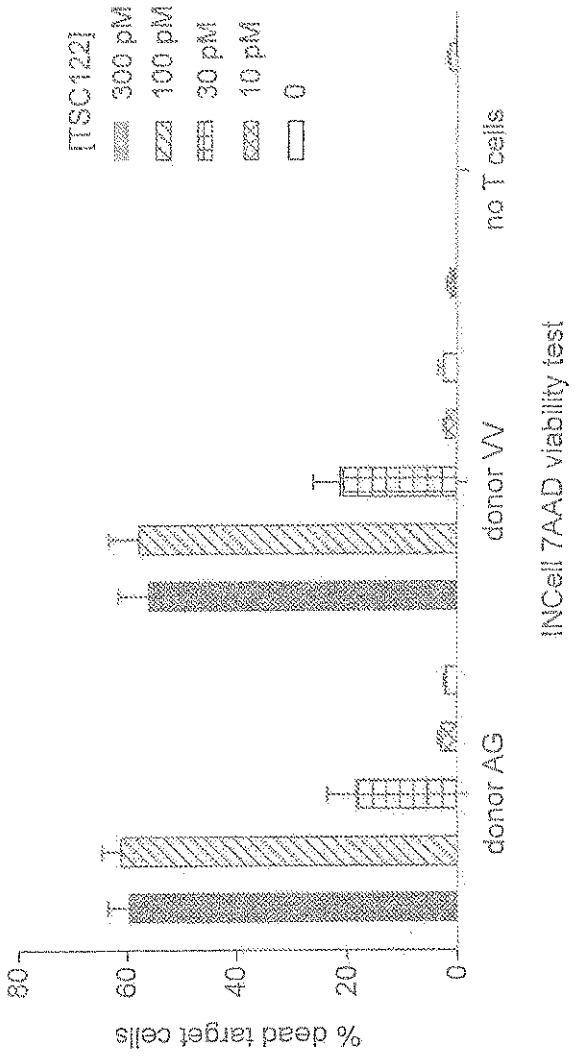
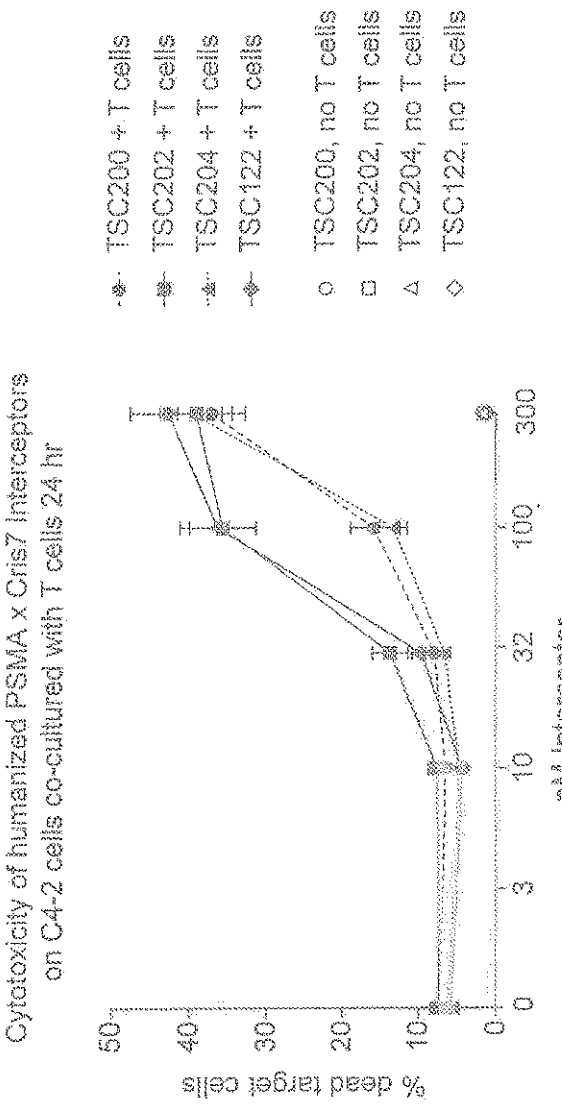

C4-2 CRPC cells + T cells
24 hr coculture with TSC122
[TSC122]
300 pM
100 pM
30 pM
10 pM
0
% dead target cells
0
20
40
60
80
donor AG
donor VV
no T cells
INCell 7AAD viability test

FIG. 4



INCell 7AAD viability test

	Interceptor
TSC200	Cris7(1) TSC189(2)
TSC202	Cris7(1) TSC188(2)
TSC204	TSC189(1) Cris7(2)
TSC122	1071A4 LH(1) Cris7(2) non-humanized parent

FIG. 5

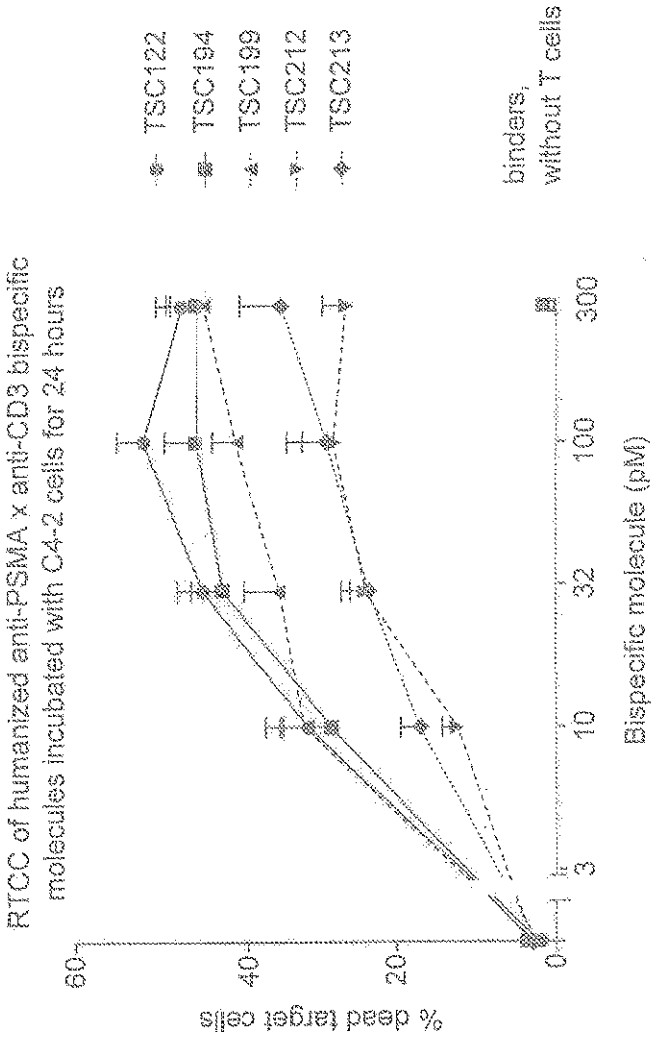

RTCC of humanized anti-PSMA x anti-CD3 bispecific molecules incubated with C4-2 cells for 24 hours
% dead target cells
0
20
40
60
3
10
32
100
300
Bispecific molecule (pM)
TSC122
TSC194
TSC199
TSC212
TSC213
binders, without T cells

FIG. 6

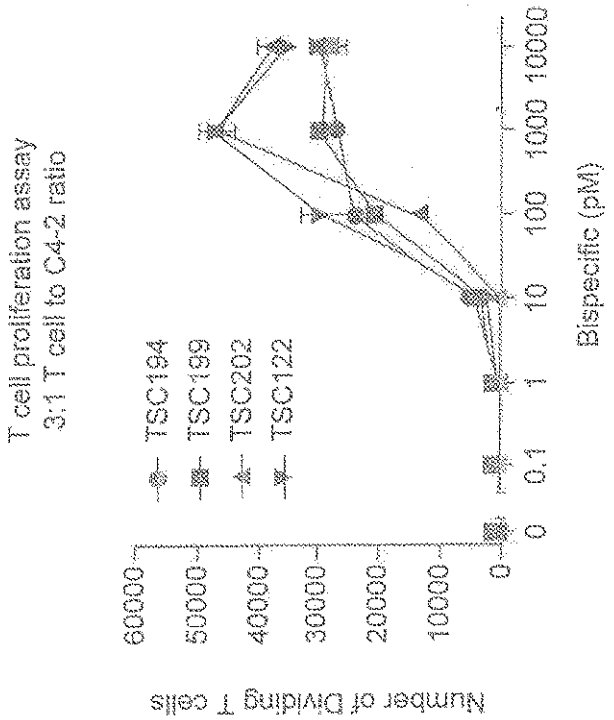

CD8+ T cells
T cell proliferation assay
3:1 T cell to C4-2 ratio
TSC194
TSC199
TSC202
TSC122
Number of Dividing T cells
Bispecific (pM)
0
10000
20000
30000
40000
50000
60000
0
0.1
1
10
100
1000
10000

FIG. 7B

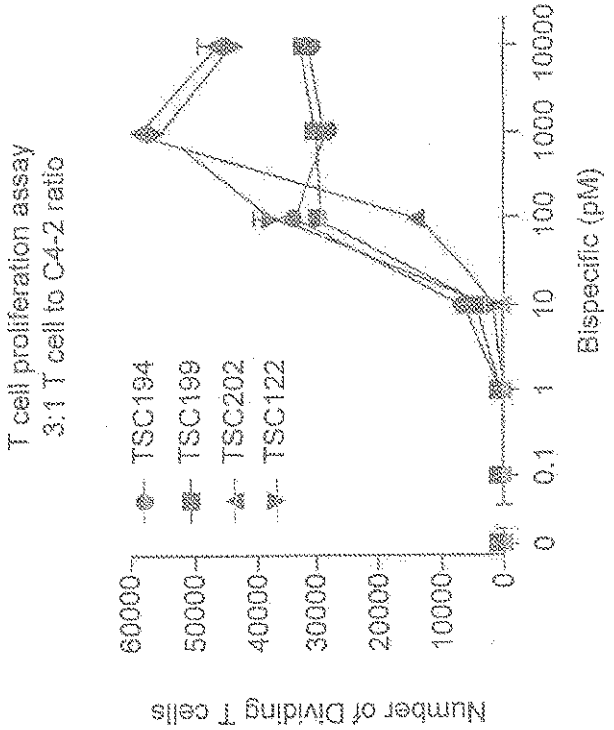
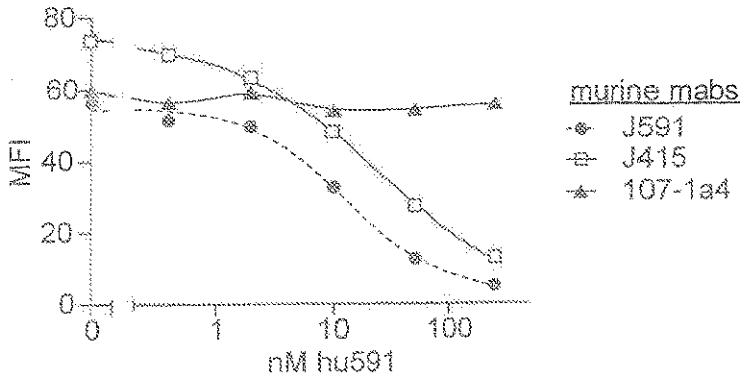

CD4+ T cells
T cell proliferation assay
3:1 T cell to C4-2 ratio
TSC194
TSC199
TSC202
TSC122
Number of Dividing T cells
Bispecific (pM)
0
10000
20000
30000
40000
50000
60000
0
0.1
1
10
100
1000
10000

FIG. 7A

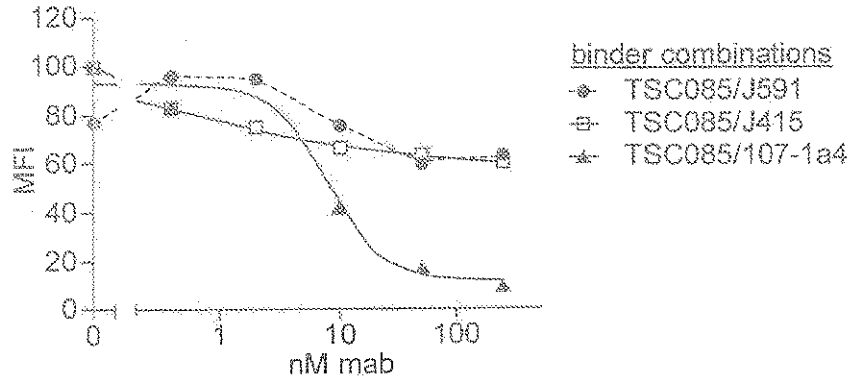
A. Competitive inhibition of murine mAb binding to PSMA on C4-2 cells



4 nM murine monoclonal mixed with 0-250 nM humanized antibody Hu591

FIG. 8A

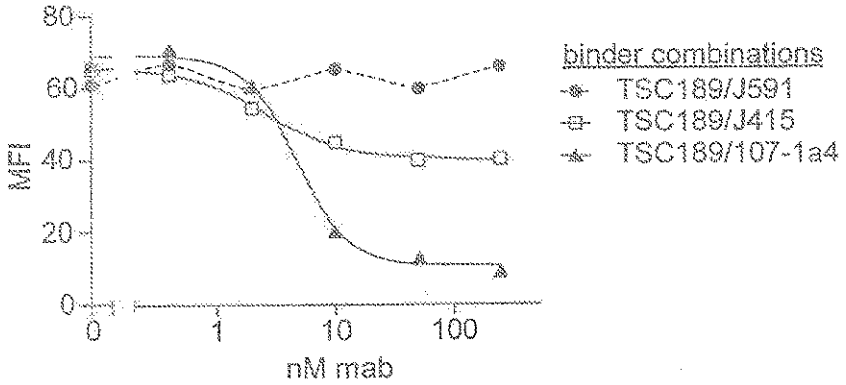
B. Competitive inhibition of TSC085 SMIP binding to PSMA on C4-2 cells



4 nM chimeric SMIP mixed with 0-250 nM murine monclonal antibody as noted

FIG. 8B

C. Competitive inhibition of TSC189 SMIP binding to PSMA on C4-2 cells



4 nM human SMIP mixed with 0-250 nM murine monclonal antibody as noted

FIG. 8C