Fig. 1

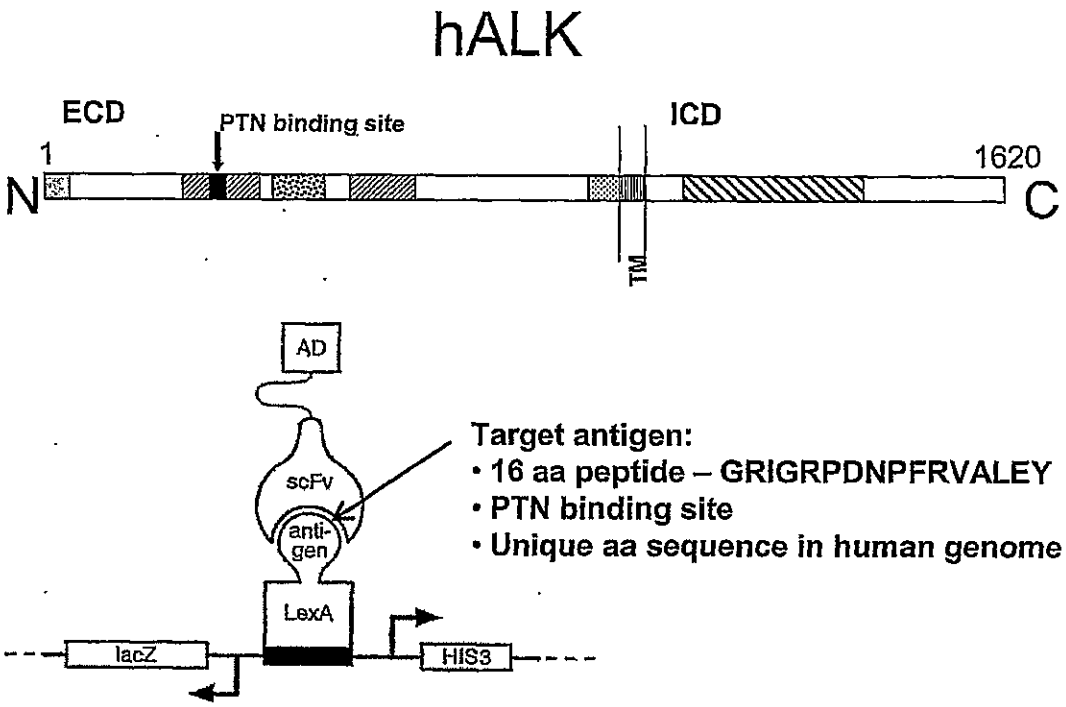
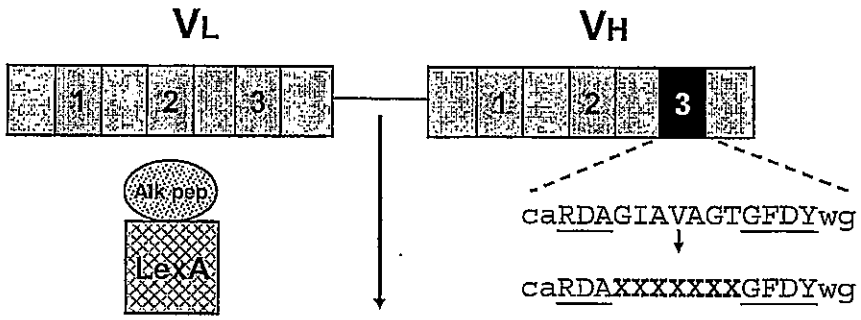
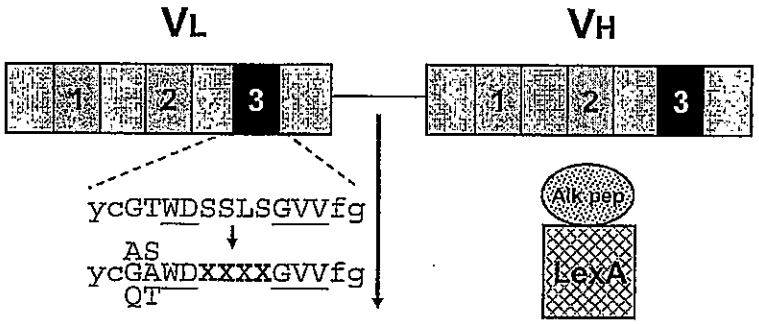

hALK
ECD
PTN binding site
ICD
1
1620
N
C
TM
AD
scFv
anti-
gen
LexA
lacZ
HIS3
Target antigen:
• 16 aa peptide – GRIGRPDNPFRVALEY
• PTN binding site
• Unique aa sequence in human genome

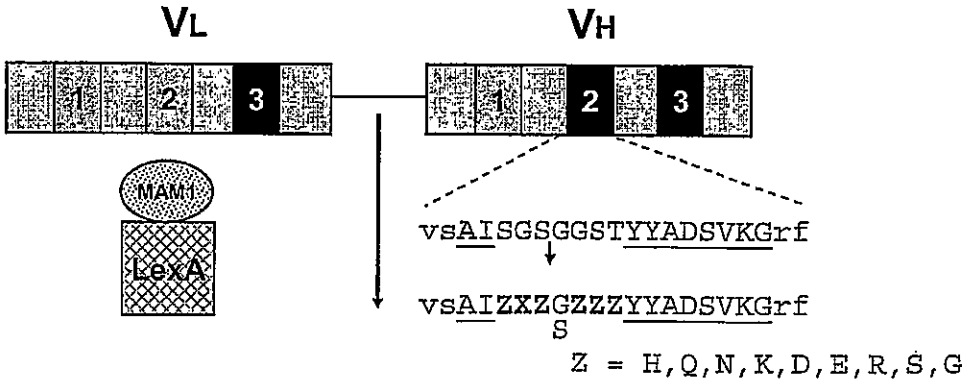
Fig. 2



Primary binder: specific for ALK, K_D ~ 30-40 nM

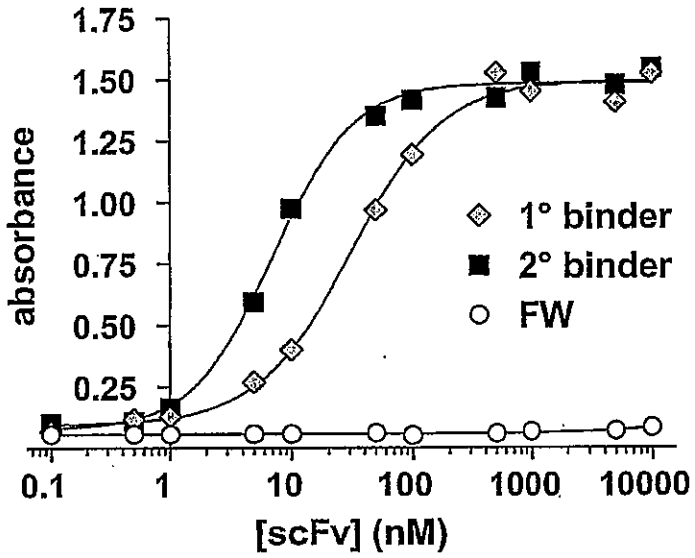


Secondary binder: specific for ALK, K_D ~ 7nM



Tertiary binder: specific for ALK, K_D ~ 2-3 nM

Fig. 3



ELISA: GST-ALK peptide

K_d

1° binder: 31.0 ± 1.3 nM

2° binder: 7.2 ± 1.4 nM → ESBA521

Fig. 4

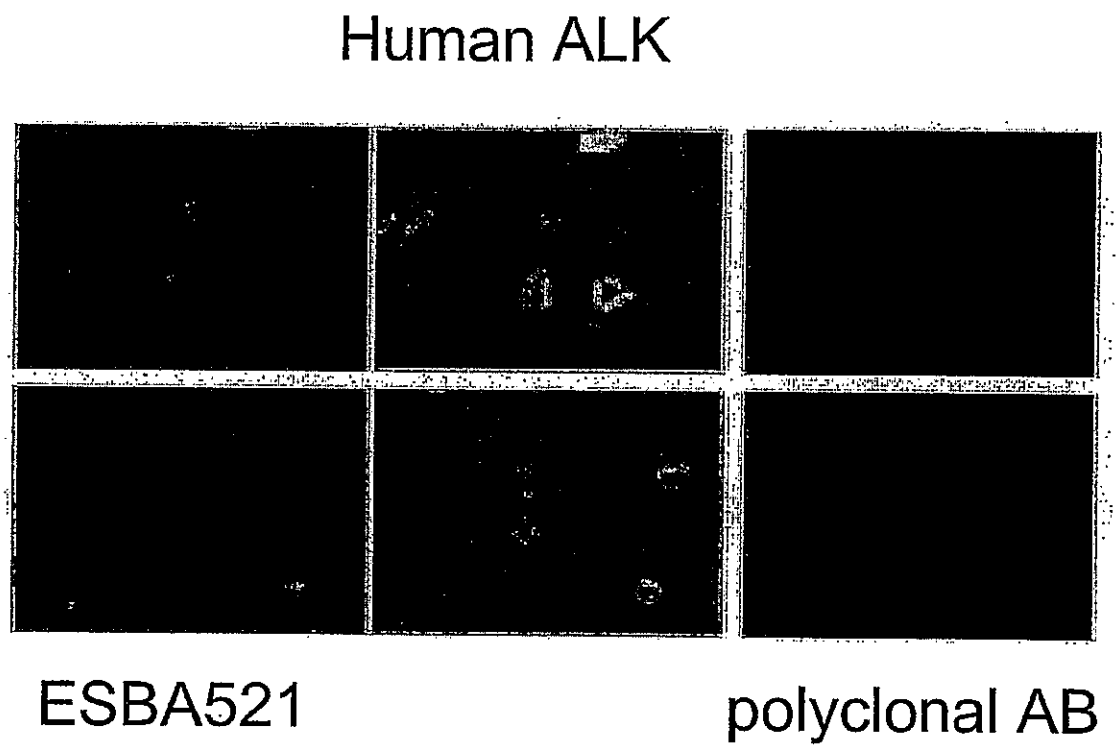
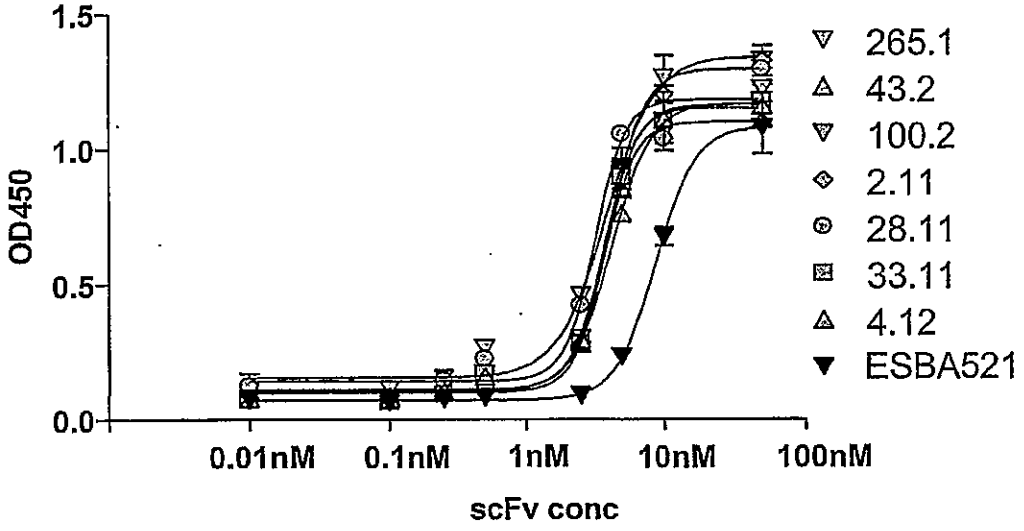


Fig. 5


1.5
1.0
0.5
0.0
OD450
0.01nM
0.1nM
1nM
10nM
100nM
scFv conc
265.1
43.2
100.2
2.11
28.11
33.11
4.12
ESBA521