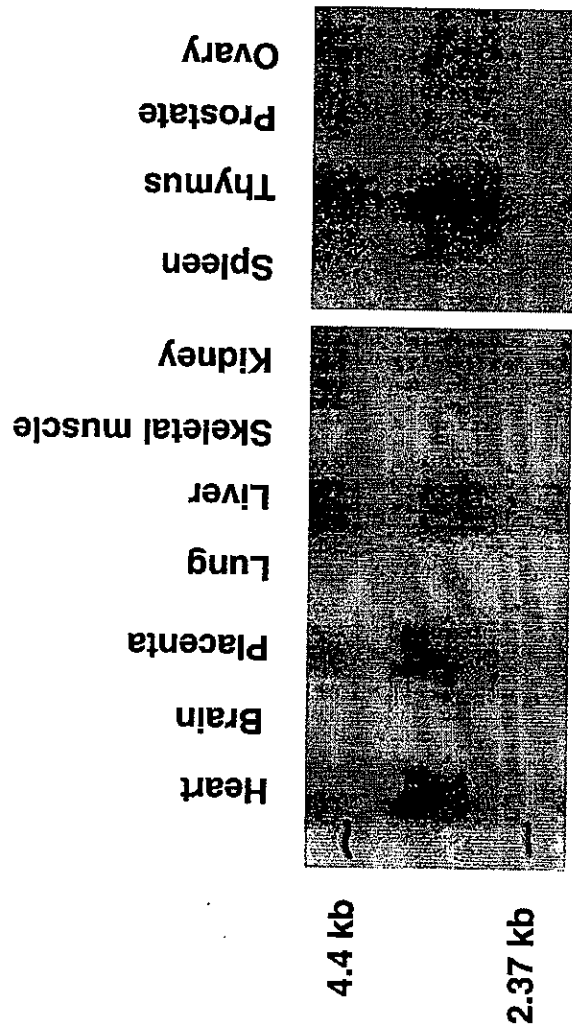


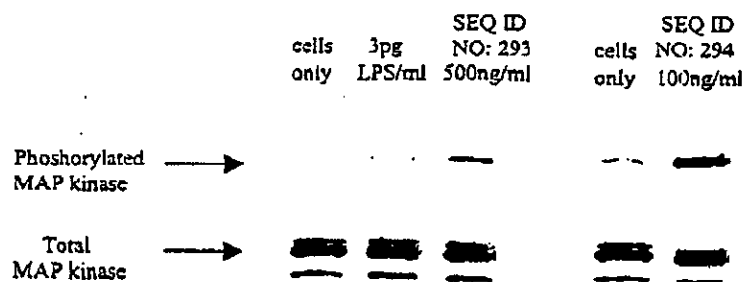
Figure 1
Distribution of human TAK1 mRNA in human tissues



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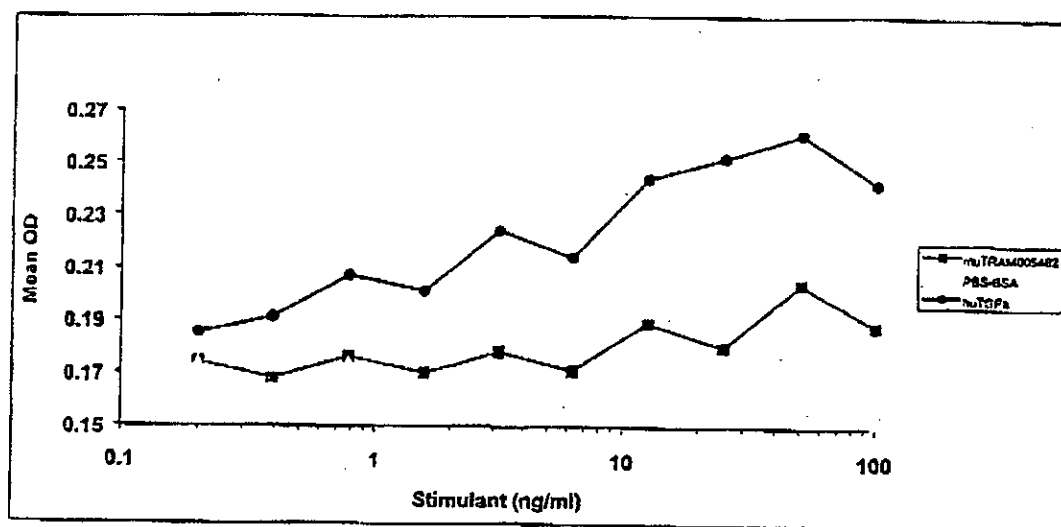
Figure 2

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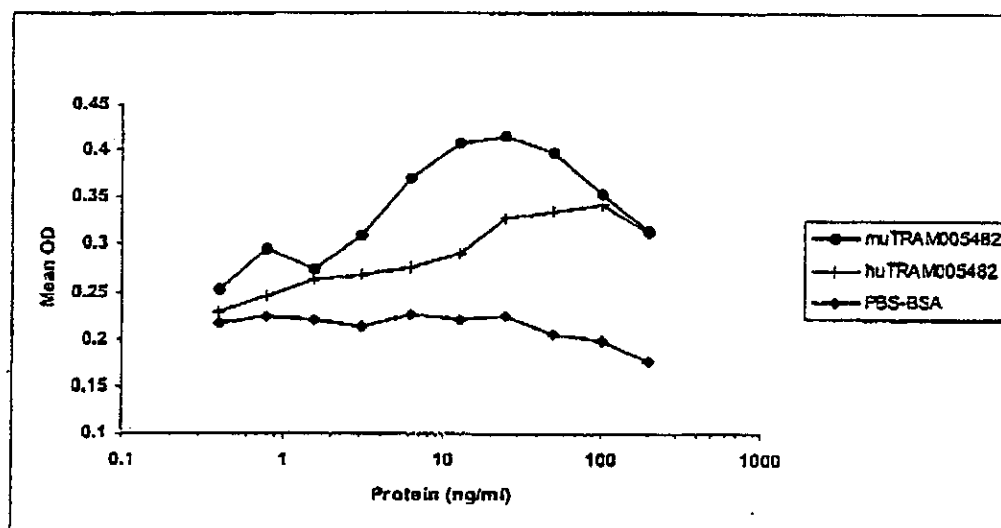
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Figure 3



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Figure 4

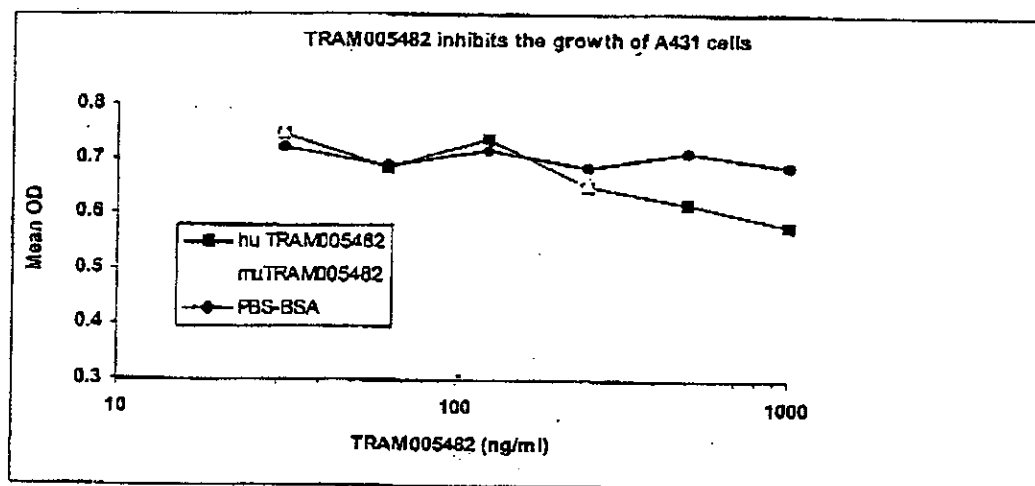


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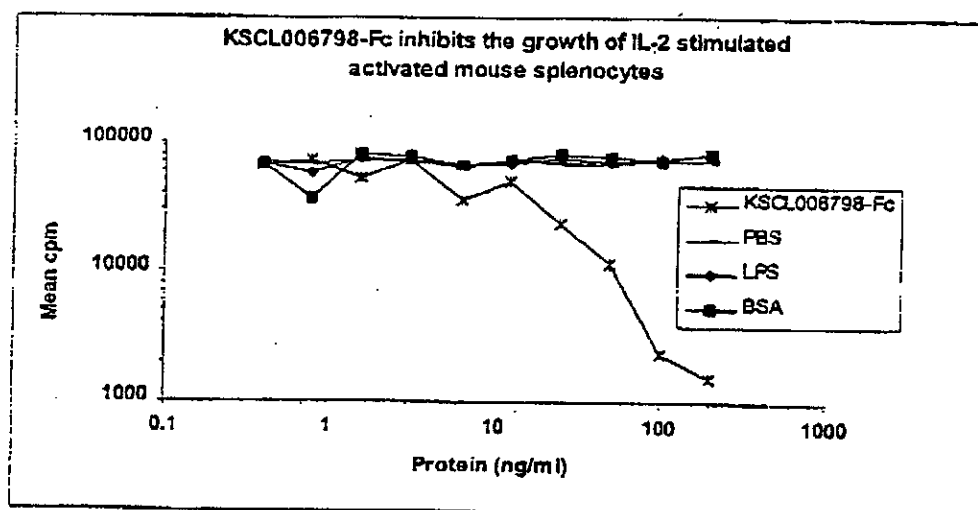
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Figure 5



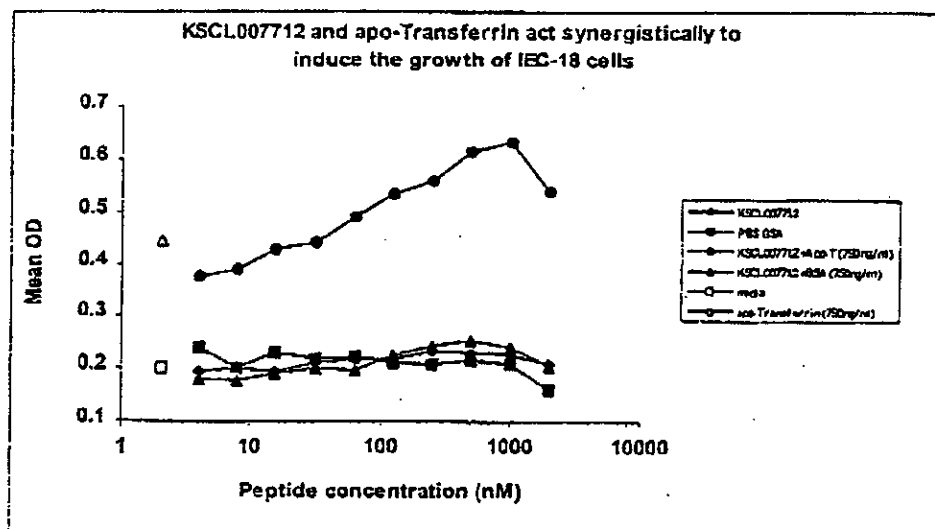
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Figure 6



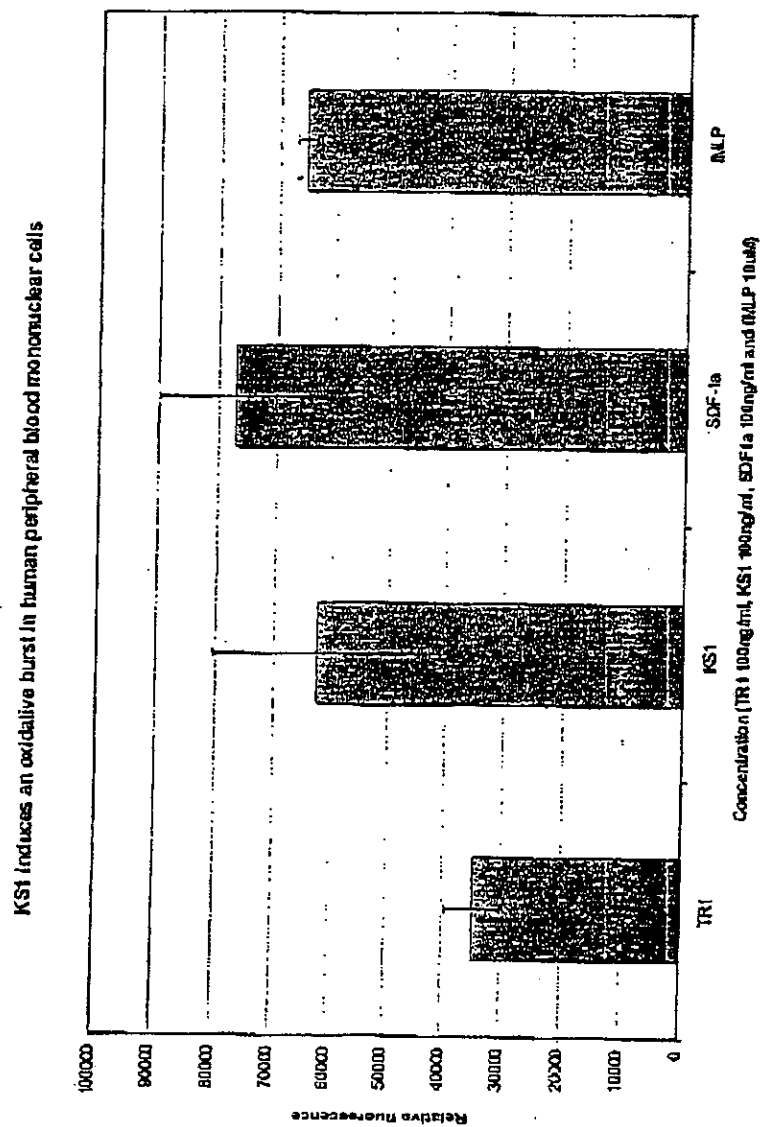
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Figure 7



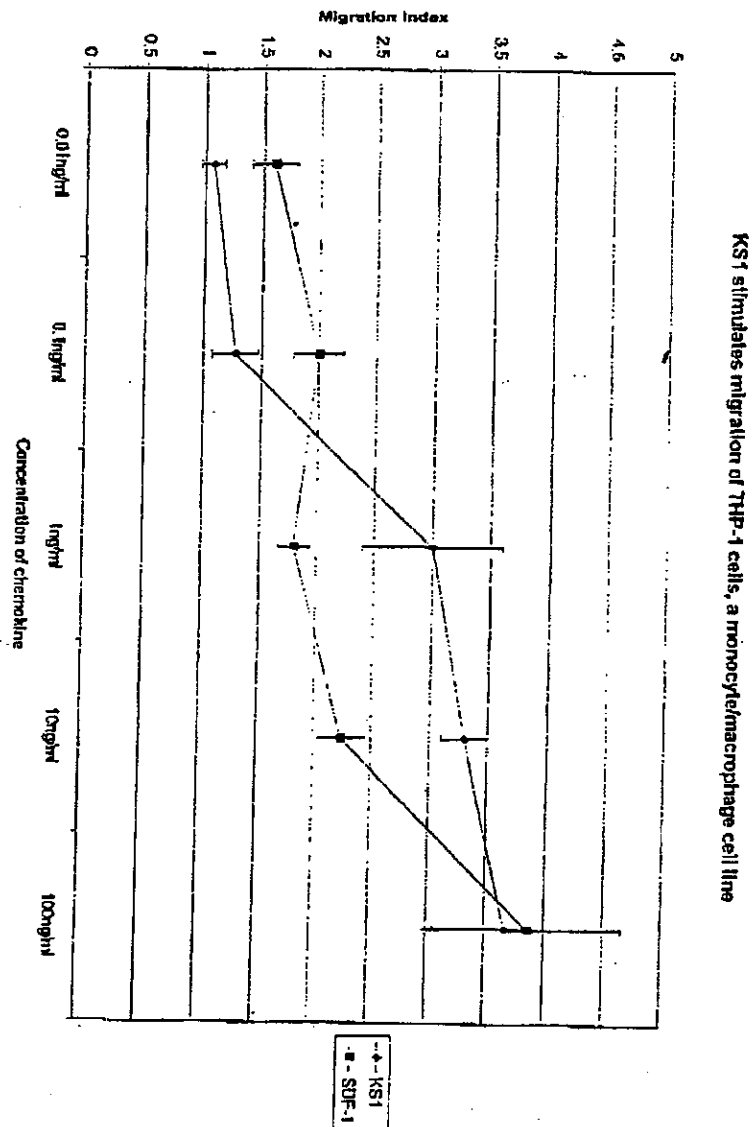
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Figure 8



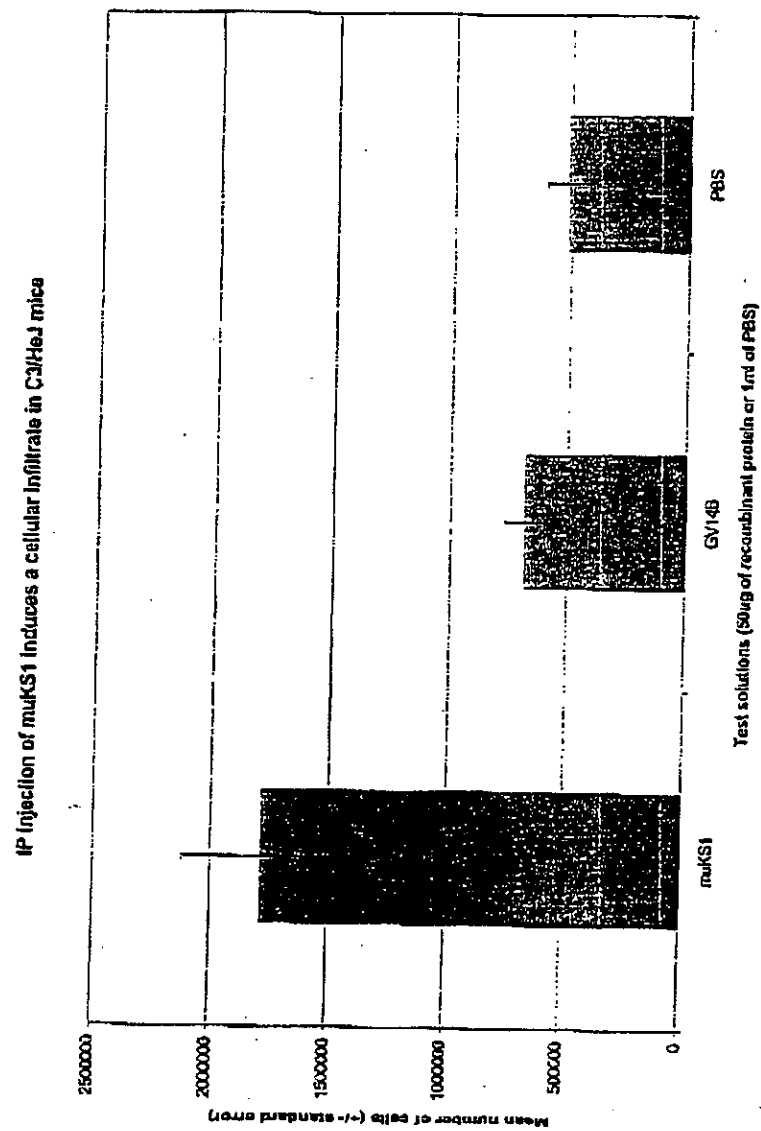
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Figure 9



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Figure 10

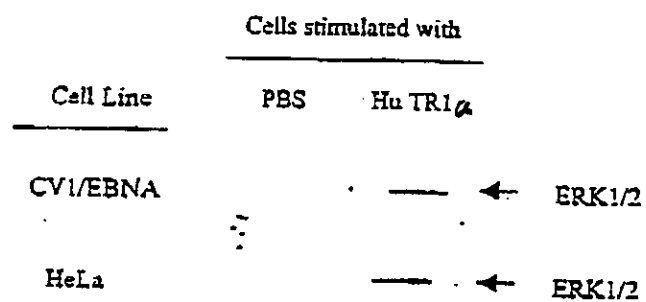


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Figure 11



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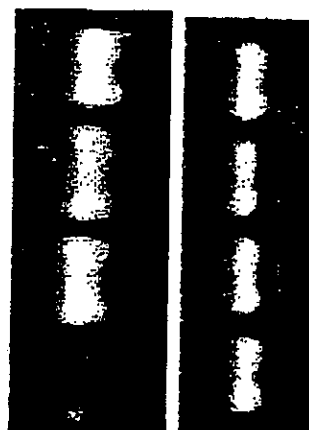
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Figure 12

mu and huTR1 upregulate huTR1 mRNA expression in HeLa cells

HeLa cells stimulated with

PBS muTR1 huTR1 huTGF α



huTR1 mRNA

Actin mRNA

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Figure 13A

Murine Tr1 activates the SRE reporter in PC12SRE cells

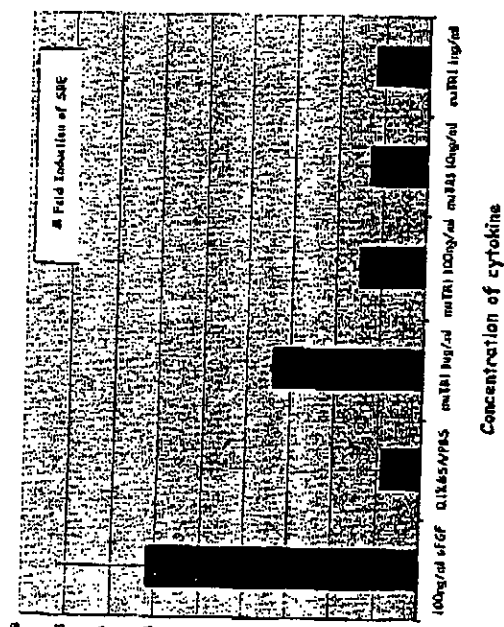
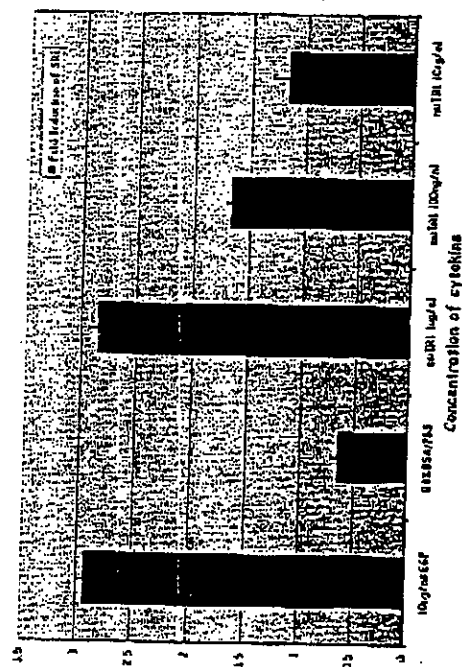


Figure 13B

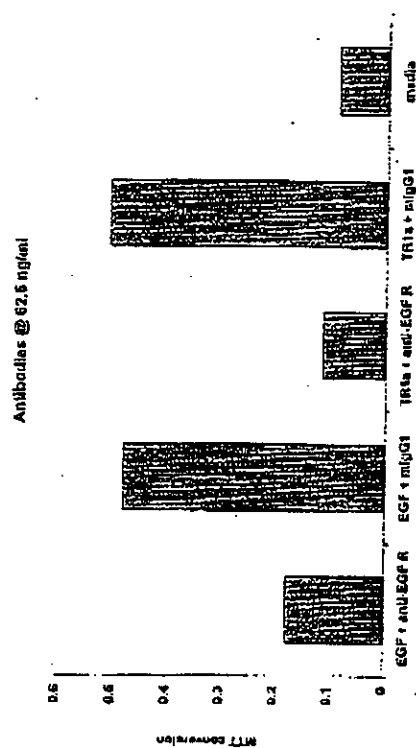
Murine Tr1 activates the SRE reporter in Hec293T cells



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Figure 14

TR1 growth of HaCat cells is inhibited by an antibody to the EGF receptor



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Figure 15a

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-202
-200 AGCACCCAGC GCCAAGCGCA CCAGGCACCG CGACAGACCG CAGGAGCACC GC
-150 CATCGACGGG CGTACTGGAG CGAGCCGAGC ACAGCAGAGA GAGGCGTGCT
-100 TGAAACCGAG AACCAAGCCG GCGGCGATCC CCCGCGCGCC GCACGCACAG
-50 GCGGCGCGCC TCCTTGCCCTC CCTGCTCCCC ACCGCGCGCC TCCGCGCAGC

1 ATG AGG CTC CTG GCG GCC GCG CTG CTC CTG CTG CTC CTG GCG
1 M R L L A A A L L L L L L A

43 CTG TGC GCC TCG CGC GTG GAC GGG TCC AAG TGT AAG TGT TCC
15 L C A S R V D G S K C K C S

85 CGG AAG GGG CCC AAG ATC CGC TAC AGC GAC GTG AAG AAG CTG
29 R K G P K I R Y S D V K K L

127 GAA ATG AAG CCA AAG TAC CCA CAC TGC GAG GAG AAG ATG GTT
43 E M K P K Y P H C E E K M V

167 ATC GTC ACC ACC AAG AGC ATG TCC AGG TAC CGG GGC CAG GAG
57 I V T T K S M S R Y R G Q E

211 CAC TGC CTG CAC CCT AAG CTG CAG AGC ACC AAA CGC TTC ATC
71 H C L H P K L Q S T K R F I

253 AAG TGG TAC AAT GCC TGG AAC GAG AAG CGC AGG GTC TAC GAA
85 K W Y N A W N E K R R V Y E

295 GAA TAG GGTGGACGAT CATGGAAAGA AAAACTCCAG GCCAGTTGAG AGA
98 E ***

344 CTTCAGC AGAGGACTTT GCAGATTAAA ATAAAAGCCC TTTCTTTCTC ACA
394 AGCATAA GACAAATTAT ATATTGCTAT GAAGCTCTTC TTACCAGGGT CAG
444 TTTTAC ATTTTATAGC TGTGTGTGAA AGGCTTCCAG ATGTGAGATC CAG
494 CTCGCTT GCGCACCAGA CTTTATTACA AGTGGCTTTT TGCTGGGCGG TTG
544 GCGGGGGG GCGGGGGGAC CTCAAGCCTT TCCTTTTTTAA AATAAGGGGT TTT
594 GTATTTG TCCATATGTC ACCACACATC TGAGCTTTAT AAGCGCCTGG GAG
644 GAACAGT GAGCATGGTT GAGACCGTTC ACAGCACTAC TGCTCCGCTC CAG
694 GCTTACA AAGCTTCCGC TCAGAGAGCC TGGCGGCTCT GTGCAGCTGC CAC
744 AGGCTCT CCTGGGCTTA TGACTGGTCA GAGTTTCAGT GTGACTCCAC TGT
794 GGCCCTT GTTGCAGGGC AATTGGGAGC AGGTCTCTCT ACATCTGTGC CTA
844 GAGGAAC TCAGTCTACT TACCAGAAGG AGCTTCATCC CCACCCACC CCC
894 ACCCGCA CCCAGCTCA TTCCCCTGTC ACGACCAGGC AAGTGATCCT TAA
944 AGGACCT GGGTCTTTTT CTTCGAAACT GAGGGTTTCT GAAAGGTGG CTG
994 CTTTGGT AGAAGATGCT TCTGAGGCAT CCAAAGTCCC CAGCAGTGTG AGA
1044 AAATGAT TCTCGATGTT CCGGAGGACA AGGGAAGATG CAGGATTAGA TGC
1094 AGGACAC ACAGCCAGAG CTACACATCC TCTTGGCAAT GGGAGCTCCC CCC
1144 CCCCAA GCTTTGTTTC TTTCCCTCAC CCCACAGAA AGTGCACTCC CCC
1194 TCAGTGA ATACGCAAAC AGCACTGTTT TCTGAGTTAG GATGTTAGGA CGA
1244 TCCTGCG CCCTGCCCTC TCCTGTGTAC ATATTGCCTT CAGTACCCCT CCC
1294 CCACCCC ATGCCACACA CTGCCCTCA TTAGAGGCCG CACTGTATGG CTG
1344 TGTATCT GCTATGTAAA TGCTGAGACC CCTGAGTGCT GCATGCAGGT TTC
1394 ATGTTCT TTCTAAGATG AAAAGAGAAA GTATAAAAT ATATTGAAG TTC
1444 CCCAAA AAAAAAAAAA A

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Figure 15b

KLF-1		M	RLAAAA...	L	LLLLLALCAS	RVDGS.....	.K	CKCSRKG
BRAC		M	RLPAAA...	L	LLLLLALYTA	RVDGS.....	..	KCKCSRKG
mCrg-2			MNPSAAVIFC		LILLGLSGTQ	GIPLAR....		TVRCNCIHID
mMig			MKSAVLFLLG		IIFLEQCGVR	GTLVIR....		NARCSCISTS
mSDF-1			MDAKVVAVLA		LVLAALCISD	GKPVSL...		YRCPCRFFE
mBLC		M	RLSTAT...	L	LLLLASCLSP	GHCILEAHYT		NLKCRCSGVI
mMIP-2		M	AP.....	PTC	RLLSAALVLL	LLLATNHQAT		GAVVAS....
mKC		M	IP.....	ATR	SLLCAA...	L	LLLATSRLAT	CAPIAN....
mLix	MSLQLRSSAH	IPSGSSSPFM	RMAPLA.FLL		LFTLPQHLAE	AAPSSVIAAT		ELRCVCLTVT

Consensus

C C

KLF-1	.PK.IRYSDVK	KLEMKPKYPH	CEEKMVIIVTT	KMSRYRGQE	HCLHPKLQST	KRFI....	KW
BRAC	.PK.IRYSDVK	KLEMKPKYPH	CEEKMVIITT	KSVSRYRGQE	HCLHPKLQST	KRFI....	KW
mCrg-2	DGPVRMRAIG	KLEIIPASLS	CPRVEIIATM	KK....NDEQ	RCLNPESKTI	KNLM....	KA
mMig	RGTIHYKSLK	DLKQFAPSPN	CNKTEIATL	K....NGDQ	TCIDPDSANV	KKLMKEWEKK	
mSDF-1	SH.IARANVK	HLKILN.TPN	CALQIVARLK	N....NNRQ	VCIDPKLKW	QEYL...EKA	
mBLC	STVVGLNIID	RIQVTPPGNG	CPKTEVVIWT	K....MKKV	ICVNPRAKWL	QRLLRHVQSK	
mMIP-2	PR.VDFKNIQ	SLSVTPPGPH	CAQTEVIATL	K....GGQK	VCLDPEAPLV	QKII....QK	
mKC	AG.IHLKNIQ	SLKVLPSGPH	CTQTEVIATL	K....NGRE	ACLDPEAPLV	QKIV....QK	
mLix	PK.INPKLIA	NLEVIPAGPQ	CPTVEVIAKL	K....NQKE	VCLDPEAPVI	KXII....QK	

Consensus

C

C

KLF-1	YNAWNE.KRR	VYEE.....	
BRAC	YNAWNE.KRR	VYEE.....	
mCrg-2	FSQKRS.KRA	P.....	
mMig	INQKKKQKRG	KKHQKNMKQR	KPKTPQSRRR SRKTT
mSDF-1	LNKRLKM...		
mBLC	SLSSTFOAPV	SKRRAA.....	
mMIP-2	ILNKGK.AN.		
mKC	MLKGVF.X..		
mLix	ILGSDK.KKA	KRNALAVERT	ASVQ.....

Consensus