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(54) Title: ANTI-KIT ANTIBODIES AND USES THEREOF

1 MRGARGAWDF LCVLLLLLRV QTGSSQSPVS PGEPSPPSIH PGKSDLIVRV GDEIRLLCTD PGFVKWTFEI LDETENKQN
81 EWITEKAEAT NTGKYTCTNK HGLSNSIYVF VRDPAKLFLV DRSLYGKEDN DTLVRCPLTD PEVTNYSKLG CQGKPLPKDL
161 RFIPDPKAGI MIKSVKRAYH RLCLHCSVDQ EGKSVLSEKF ILKVRPAFKA VPVVSVSKAS YLLREGEEFT VTCTIKDVSS
241 SVYSTWKREN SQTQLQEKYN SWHHGDFNYE RQATLTISSA RVNDSGVFM C YANNTFGSAN VTTTLEVV D K GFINIFPMIN
321 TTVFVNDGEN VDLIVEYEF PKPEHQWIY MNRTFTDKWE DYPKSENE SN IRYVSELHLT RLKGTGGTY TFLVNSDVN
401 AAIAFNYYN TKPEILTYDR LVNGMLQCYA AGFPEPTIDW YFCPGTEQRC SASVLPVDVQ TLNSSGPPFG KLVVQSSIDS
481 SAFKHNGTVE CKAYNDVGKT SAYFNFAFKE QIHPHTLFTPT LLIGFVIVAG MMCIIVMILT KYLQKPMYE VQWKVVEEIN
561 GNNYVYIDPT QLPYDHKWEF PRNLSFGKT LGAGAFGKVV EATAYGLIKS DAAMTVAVKM LKPSAHLTER EALMSELKVL
641 SYLGNHMNIV NLLGACTIGG PTLVITEYCC YGDLNLFRR KRDSFICKSQ EDHAEALYK NLLHSESSC SDSTNEYMDM
721 KPGVSYVVPT KADKRRSVRI GSYIERDVTP AIMEDDELAL DLEDLLSFSY QVAKGMAFLA SKNCIHRDLA ARNILLTHGR
801 ITKICDFGLA RDIKNSNYV VKGNARLPVK WMAPESIFNC VYTFESDVWS YGIFLWELFS LGSSPYPGMP VDSKFYKMIK
881 EGFRMLSPEH APAEMYDIMK TCWDADPLKR PTFKQIVQLI EKQISESTNH IYSNLANCSP NRQKPVVDHS VRINSVGSTA
961 SSSQPLLVDH DV (SEQ ID NO: 1)

FIG. 1

(57) Abstract: Provided herein are antibodies that immunospecifically bind to KIT, a receptor tyrosine kinase, and uses thereof. Also provided are polynucleotides and vectors encoding such antibodies, cells comprising such polynucleotides or vectors, and methods of making such antibodies.

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