

Figure S6A: Complete amino acid and nucleotide sequence of mouse FG129/29 IgG1 heavy chain.

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                                     LEADER
                                     _____
-19 M L L G L K W V F F V V F Y Q G V H C
FG129_29H      atg ctg ttg ggg ctg aag tgg gtt ttc ttt gtt gtt ttt tat caa ggt gtg cat tgt

<----- FR1 - IMGT ----->
1  E V Q L V E S G G      G L V Q P K G S L K L S C A A S G F T F
FG129_29H      gag gtg cag ctt gtt gag tct ggt gga ... gga ttg gtg cag cct aaa ggg tca ttg aaa ctc tca tgt gca gcc tct gga ttc acc ttc

--- CDR1 - IMGT -----<----- FR2 - IMGT ----->----- CDR2
31  N T Y A M N W V R Q A P G K G L E W V A R I R S K S
FG129_29H      ... .. . . . aat acc tac gcc atg aac tgg gtc cgc cag gct cca gga aag ggt ttg gaa tgg gtt gct cgc ata aga agt aaa agt

- IMGT -----<----- FR3 - IMGT ----->
61  N N Y A T Y Y A D S V K      D R F T I S R D D S Q S M L Y L Q
FG129_29H      aat aat tat gca aca tat tat gcc gat tca gtg aaa ... gac agg ttc acc ata tcc aga gat gat tca caa agc atg ctc tat ctg caa

----->----- CDR3 - IMGT -----
91  M N N L K K E D T A M Y Y C V G Y G S G G N Y W G Q G
FG129_29H      atg aac aac ttg aaa aag gag gac aca gcc atg tat tac tgt gta ggg tac ggt agt ggg gga aac tac tgg ggt caa gga ... .. .

121 T S V T V S S A K T T P P S V Y P L A P G S A A Q T N S M V
FG129_29H      acc tca gtc acc gtc tcc tca gcc aaa acg aca ccc cca tct gtc tat cca ctg gcc cct gga tct gct gcc caa act aac tcc atg gtg

151 T L G C L V K G Y F P E P V T V T W N S G S L S S G V H T F
FG129_29H      acc ctg gga tgc ctg gtc aag ggc tat ttc cct gag cca gtg aca gtg acc tgg aac tct gga tcc ctg tcc agc ggt gtg cac acc ttc

181 P A V L E S D L Y T L S S S V T V P S S P R P S E T V T C N
FG129_29H      cca gct gtc ctg gag tct gac ctc tac act ctg agc agc tca gtg act gtc ccc tcc agc cct cgg ccc agc gag acc gtc acc tgc aac

211 V A H P A S S T K V D K K I V P R D C G C K P C I C T V P E
FG129_29H      gtt gcc cac ccg gcc agc agc acc aag gtg gac aag aaa att gtg ccc agg gat tgt ggt tgt aag cct tgc ata tgt aca gtc cca gaa

241 V S S V F I F P P K P K D V L T I T L T P K V T C V V V D I
FG129_29H      gta tca tct gtc ttc atc ttc ccc cca aag ccc aag gat gtg ctc acc att act ctg act cct aag gtc acg tgt gtt gtg gta gac atc

271 S K D D P E V Q F S W F V D D V E V H T A Q T Q P R E E Q F
FG129_29H      agc aag gat gat ccc gag gtc cag ttc agc tgg ttt gta gat gat gtg gag gtg cac aca gct cag acg caa ccc cgg gag gag cag ttc

301 N S T F R S V S E L P I M H Q D W L N G K E F K C R V N S A
FG129_29H      aac agc act ttc cgc tca gtc agt gaa ctt ccc atc atg cac cag gac tgg ctc aat ggc aag gag ttc aaa tgc agg gtc aac agt gca

331 A F P A P I E K T I S K T K G R P K A P Q V Y T I P P P K E
FG129_29H      gct ttc cct gcc ccc atc gag aaa acc atc tcc aaa acc aaa ggc aga cgg aag gct cca cag gtg tac acc att cca cct ccc aag gag

361 Q M A K D K V S L T C M I T D F F P E D I T V E W Q W N G Q
FG129_29H      cag atg gcc aag gat aaa gtc agt ctg acc tgc atg ata aca gac ttc ttc cct gaa gac att act gtg gag tgg cag tgg aat ggg cag

391 P A E N Y K N T Q P I M N T N G S Y F V Y S K L N V Q K S N
FG129_29H      cca gcg gag aac tac aag aac act cag ccc atc atg aac acg aat ggc tct tac ttc gtc tac agc aag ctc aat gtg cag aag agc aac

421 W E A G N T F T C S V L H E G L H N H H T E K S L S H S P G
FG129_29H      tgg gag gca gga aat act ttc acc tgc tct gtg tta cat gag ggc ctg cac aac cac cat act gag aag agc ctc tcc cac tct cct ggt

451 K
FG129_29H      aaa

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Figure S6B: Complete amino acid and nucleotide sequence of mouse FG129/29 kappa chain.

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                                     LEADER
-19 M E S Q T Q V L M S L L F W V S T C G
    atg gaa tca cag act cag gtc ctc atg tcc ctg ctg ttc tgg gta tct acc tgt ggg

<----- FR1 - IGMT ----->
1  D I V M T Q S P S S L T V T A G E K V T M S C K S S Q S L L
FG129_29K   gac att gtg atg aca cag tct cca tcc tcc ctg act gtg aca gca gga gag aag gtc act atg agc tgc aag tcc agt cag agt ctg tta

   CDR1 - IGMT <----- FR2 - IGMT -----> CDR2
31  N S G N Q K N Y L T W Y Q Q K P G Q P P K V L I Y W A
FG129_29K   aac agt gga aat caa aag aac tac ttg acc tgg tac cag cag aaa cca ggg cag cct cct aaa gtg ttg atc tac tgg gca ... ..

   - IGMT <----- FR3 - IGMT ----->
61          S T R E S G V P D R F T G S G S G T D F T L T
FG129_29K   ... .. tcc act agg gaa tct ggg gtc cct ... gat cgc ttc aca ggc agt gga ... .. tct gga aca gat ttc act ctc acc

-----> CDR3 - IGMT -----
91  I S S V Q A E D L A V Y Y C Q N D Y S S P F T F G S G T K L
FG129_29K   atc agc agt gtg cag gct gaa gac ctg gca gtt tat tac tgt cag aat gat tat agt tct cca ttc acg ttc ggc tcg ggg aca aag ttg

121 E I K R A D A A P T V S I F P P S S E Q L T S G G A S V V C
FG129_29K   gaa ata aaa cgg gct gat gct gca cca act gta tcc atc ttc cca cca tcc agt gag cag tta aca tct gga ggt gcc tca gtc gtg tgc

151 F L N N F Y P K D I N V K W K I D G S E R Q N G V L N S W T
FG129_29K   ttc ttg aac aac ttc tac ccc aaa gac atc aat gtc aag tgg aag att gat ggc agt gaa cga caa aat ggc gtc ctg aac agt tgg act

181 D Q D S K D S T Y S M S S T L T L T K D E Y E R H N S Y T C
FG129_29K   gat cag gac agc aaa gac agc acc tac agc atg agc agc acc ctc acg ttg acc aag gac gag tat gaa cga cat aac agc tat acc tgt

211 E A T H K T S T S P I V K S F N R N E C
FG129_29K   gag gcc act cac aag aca tca act tca ccc att gtc aag agc ttc aac agg aat gag tgt

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