

別紙 リツキシマブのアミノ酸配列

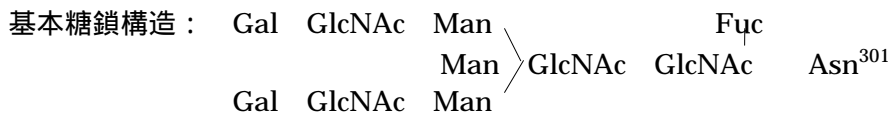
Heavy Chain (重鎖)

1 Gln Val Gln Leu Gln Gln Pro Gly Ala Glu  
11 Leu Val Lys Pro Gly Ala Ser Val Lys Met  
21 Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr  
31 Ser Tyr Asn Met His Trp Val Lys Gln Thr  
41 Pro Gly Arg Gly Leu Glu Trp Ile Gly Ala  
51 Ile Tyr Pro Gly Asn Gly Asp Thr Ser Tyr  
61 Asn Gln Lys Phe Lys Gly Lys Ala Thr Leu  
71 Thr Ala Asp Lys Ser Ser Ser Thr Ala Tyr  
81 Met Gln Leu Ser Ser Leu Thr Ser Glu Asp  
91 Ser Ala Val Tyr Tyr Cys Ala Arg Ser Thr  
101 Tyr Tyr Gly Gly Asp Trp Tyr Phe Asn Val  
111 Trp Gly Ala Gly Thr Thr Val Thr Val Ser  
121 Ala Ala Ser Thr Lys Gly Pro Ser Val Phe  
131 Pro Leu Ala Pro Ser Ser Lys Ser Thr Ser  
141 Gly Gly Thr Ala Ala Leu Gly Cys Leu Val  
151 Lys Asp Tyr Phe Pro Glu Pro Val Thr Val  
161 Ser Trp Asn Ser Gly Ala Leu Thr Ser Gly  
171 Val His Thr Phe Pro Ala Val Leu Gln Ser  
181 Ser Gly Leu Tyr Ser Leu Ser Ser Val Val  
191 Thr Val Pro Ser Ser Ser Leu Gly Thr Gln  
201 Thr Tyr Ile Cys Asn Val Asn His Lys Pro  
211 Ser Asn Thr Lys Val Asp Lys Lys Ala Glu  
221 Pro Lys Ser Cys Asp Lys Thr His Thr Cys  
231 Pro Pro Cys Pro Ala Pro Glu Leu Leu Gly  
241 Gly Pro Ser Val Phe Leu Phe Pro Pro Lys  
251 Pro Lys Asp Thr Leu Met Ile Ser Arg Thr

261 Pro Glu Val Thr Cys Val Val Val Asp Val  
 271 Ser His Glu Asp Pro Glu Val Lys Phe Asn  
 281 Trp Tyr Val Asp Gly Val Glu Val His Asn  
 291 Ala Lys Thr Lys Pro Arg Glu Glu Gln Tyr  
 301 Asn\* Ser Thr Tyr Arg Val Val Ser Val Leu  
 311 Thr Val Leu His Gln Asp Trp Leu Asn Gly  
 321 Lys Glu Tyr Lys Cys Lys Val Ser Asn Lys  
 331 Ala Leu Pro Ala Pro Ile Glu Lys Thr Ile  
 341 Ser Lys Ala Lys Gly Gln Pro Arg Glu Pro  
 351 Gln Val Tyr Thr Leu Pro Pro Ser Arg Asp  
 361 Glu Leu Thr Lys Asn Gln Val Ser Leu Thr  
 371 Cys Leu Val Lys Gly Phe Tyr Pro Ser Asp  
 381 Ile Ala Val Glu Trp Glu Ser Asn Gly Gln  
 391 Pro Glu Asn Asn Tyr Lys Thr Thr Pro Pro  
 401 Val Leu Asp Ser Asp Gly Ser Phe Phe Leu  
 411 Tyr Ser Lys Leu Thr Val Asp Lys Ser Arg  
 421 Trp Gln Gln Gly Asn Val Phe Ser Cys Ser  
 431 Val Met His Glu Ala Leu His Asn His Tyr  
 441 Thr Gln Lys Ser Leu Ser Leu Ser Pro Gly  
 451 Lys

1-150 : マウス由来 ( 下線部 ) , 151-451 : ヒト由来

\* : 糖鎖結合位置



Light Chain ( 軽鎖 )

1 Gln Ile Val Leu Ser Gln Ser Pro Ala Ile  
11 Leu Ser Ala Ser Pro Gly Glu Lys Val Thr  
21 Met Thr Cys Arg Ala Ser Ser Ser Val Ser  
31 Tyr Ile His Trp Phe Gln Gln Lys Pro Gly  
41 Ser Ser Pro Lys Pro Trp Ile Tyr Ala Thr  
51 Ser Asn Leu Ala Ser Gly Val Pro Val Arg  
61 Phe Ser Gly Ser Gly Ser Gly Thr Ser Tyr  
71 Ser Leu Thr Ile Ser Arg Val Glu Ala Glu  
81 Asp Ala Ala Thr Tyr Tyr Cys Gln Gln Trp  
91 Thr Ser Asn Pro Pro Thr Phe Gly Gly Gly  
101 Thr Lys Leu Glu Ile Lys Arg Thr Val Ala  
111 Ala Pro Ser Val Phe Ile Phe Pro Pro Ser  
121 Asp Glu Gln Leu Lys Ser Gly Thr Ala Ser  
131 Val Val Cys Leu Leu Asn Asn Phe Tyr Pro  
141 Arg Glu Ala Lys Val Gln Trp Lys Val Asp  
151 Asn Ala Leu Gln Ser Gly Asn Ser Gln Glu  
161 Ser Val Thr Glu Gln Asp Ser Lys Asp Ser  
171 Thr Tyr Ser Leu Ser Ser Thr Leu Thr Leu  
181 Ser Lys Ala Asp Tyr Glu Lys His Lys Val  
191 Tyr Ala Cys Glu Val Thr His Gln Gly Leu  
201 Ser Ser Pro Val Thr Lys Ser Phe Asn Arg  
211 Gly Glu Cys 213

1-128 : マウス由来 ( 下線部 )

129-213 : ヒト由来