

STATEMENT ON A NONPROPRIETARY NAME ADOPTED BY THE USAN COUNCIL

USAN (FG-06) POZELIMAB

PRONUNCIATION poe zel' i mab

THERAPEUTIC CLAIM Treatment of paroxysmal nocturnal hemoglobinuria

CHEMICAL NAMES

1. Immunoglobulin G4 [228-proline], anti-(human complement C5) (human monoclonal REGN3918 γ 4-chain), disulfide with human monoclonal REGN3918 κ -chain, dimer
2. Immunoglobulin G4-kappa, anti-(*Homo sapiens* Complement C5); human monoclonal antibody; γ 4 heavy chain (1-447) [*Homo sapiens* VH (IGHV4-59*02 (95%) –(IGHD)-IGHJ4*01) [8.7.14] (1-120) -*Homo sapiens* IGHG4*01 {hinge[S¹⁰>P(228)]} (121-447)] (134-214')-disulfide with κ light chain (1'-214') [*Homo sapiens* V-KAPPA (IGKV1-6*01 (97%) – IGKJ1*01)[6.3.9] (1'-107') -*Homo sapiens* IGKC*01 (108'-214')], dimer (226-226":229-229")-bisdisulfide

STRUCTURAL FORMULA

Heavy chain

QVQLQESGPG	LVKPSSETLSL	TCTVSGDSVS	SSYWTWIRQP	PGKGLEWIGY	50
IYYSGSSNYN	PSLKSRATIS	VDTSKNQFSL	KLSSVTAADT	AVYYCAREGN	100
VDTTMIFDYW	GQGLTLTVVSS	ASTKGPSVFP	LAPCSRSTSE	STAALGCLVK	150
DYFPEPVTVS	WNSGALTSGV	HTFPAVLQSS	GLYSLSSVVT	VPSSSLGTKT	200
YTCNVDHKPS	NTKVKDRVES	KYGPPCPPCP	APEFLGGPSV	FLFPPKPKDT	250
LMISRTPEVT	CVVVDVSDQED	PEVQFNWYVD	GVEVHNAKTK	PREEQFNSTY	300
RVVSVLTVLH	QDWLNGKEYK	CKVSNKGLPS	SIEKTISKAK	GQPREPQVYT	350
LPPSQEEMTK	NQVSLTCLVK	GFYPSDIAVE	WESNGQPENN	YKTPPVLDL	400
DGSFFLYSRL	TVDKSRWQEG	NVFSCSVMHE	ALHNYHTQKS	LSLSLGK	447

Light chain

AIQMTQSPSS	LSASVGDRVT	ITCRASQGIR	NDLGWYQQKP	GKAPKLLIYA	50'
ASSLQSGVPS	RFAGRGSQTD	FTLTISLQP	EDFATYYCLQ	DFNYPWTFGQ	100'
GTKVEIKRTV	AAPSVFIFPP	SDEQLKSGTA	SVVCLLNNFY	PREAKVQWKV	150'
DNALQSGNSQ	ESVTEQDSKD	STYLSSTLT	LSKADYEKHK	VYACEVTHQG	200'
LSSPVTKSFN	RGEC				214'

Disulfide bridges

22-95	22"-95"	23'-88'	23"-88"	134'-194'	134"-194"	134-214'	134"-214"
147-203	147"-203"	226-226"	229-229"	261-321	261"-321"	367-425	367"-425"

Glycosylation sites (N)
Asn-297 Asn-297"

MOLECULAR FORMULA C₆₄₁₈H₉₈₉₈N₁₆₉₀O₂₀₂₆S₄₂

MOLECULAR WEIGHT 144.5 kDa

TRADEMARK None as yet

SPONSOR	Regeneron Pharmaceuticals, Inc.
CODE DESIGNATIONS	REGN3918
<u>CAS</u> REGISTRY NUMBER	2096328-94-6
UNII	0JJ21K6L2I
WHO NUMBER	10945

gbk