

STATEMENT ON A NONPROPRIETARY NAME ADOPTED BY THE USAN COUNCIL

USAN (FG-10) ELEZANUMAB

PRONUNCIATION eɪˈ e zənˈ ue mab

THERAPEUTIC CLAIM Treatment of spinal cord injury and multiple sclerosis

CHEMICAL NAMES

1. Immunoglobulin, anti-(repulsive guidance molecule RGMa) (human monoclonal PR-1432051 heavy chain), disulfide with human monoclonal PR-1432051 light chain, dimer
2. Immunoglobulin G1-lambda 1, anti-(*Homo sapiens* Repulsive guidance molecule A); *Homo sapiens* monoclonal antibody; γ 1 heavy chain (1-450) [*Homo sapiens* VH (IGHV1-18*01 (93%) –(IGHD)-IGHJ3*01 (92%)) [8.8.13] (1-120) -*Homo sapiens* IGHG1*01{CH2[L⁴>A(237),L⁵>A(238),T²⁰>Q(253)], CH3[D¹⁶>E(359),L¹⁸>M(361),M⁸⁸>L(431)]} (121-450)] (223-214')-disulfide with λ 1 light chain (1'-215') [*Homo sapiens* V-LAMBDA (IGLV2-11*01 (93%) – IGLJ2*01 (90%)) [9.3.9] (1'-109') -*Homo sapiens* IGLC2*01 (110'-215')], dimer (229-229':232-232'')-bisdisulfide

STRUCTURAL FORMULA

Heavy chain

EVQLVQSGAE	VKKPGASVKV	SCKASGYTFT	SHGISWVRQA	PGQGLDWMGW	50
ISPYSGNTNY	AQKLQGRVTM	TTDTSTSTAY	MELSSLRSED	TAVYYCARVG	100
SGPYYYMDVW	GQGLTIVTSS	ASTKGPSVFP	LAPSSKSTSG	GTAALGCLVK	150
DYFPEPVTVS	WNSGALTSGV	HTFPAVLQSS	GLYSLSSVVT	VPSSSLGTQT	200
YICNVNHHKPS	NTKVDKKVEP	KSCDKTHTCP	PCPAPEAAGG	PSVFLFPPKP	250
KDQLMISRTP	EVTCVVVDVS	HEDPEVKFNW	YVDGVEVHNA	KTKPREEQYN	300
STYRVVSVLT	VLHQDWLNGK	EYCKVSNKA	LPAPIEKTIS	KAKGQPREPQ	350
VYTLPPSREE	MTKNQVSLTC	LVKGFYPSDI	AVEWESNGQP	ENNYKTTTPV	400
LDSGDGSFFLY	SKLTVDKSRW	QQGNVFSQSV	LHEALHNYT	QKSLSLSPGK	450

Light chain

QSALTQPRSV	SGSPGQSVTI	SCTGTSSSVG	DSIYVSWYQQ	HPGKAPKMLL	50'
YDVTKRPSGV	PDRFSGSKSG	NTASLTISGL	QAEDEADYYC	YSYAGTDTLF	100'
GGGKVTVLG	QPKAAPSVTL	FPPSSEELQA	NKATLVCLIS	DFYPGAVTVA	150'
WKADSSPVKA	GVETTPSKQ	SNNKYAASSY	LSLTPEQWKS	HRSYSCQVTH	200'
EGSTVEKTVA	PTECS				215'

Disulfide bridges

22'-90"	22'''-90'''	22-96	22''-96''	137'-196'	137'''-196'''	147-203	147''-203''
214'-223	214'''-223'''	229-229''	232-232''	264-324	264'''-324'''	370-428	370''-428''

Glycosylation sites (N)

Asn-300 Asn-300''

MOLECULAR FORMULA

C₆₃₄₈H₉₈₂₀N₁₆₈₄O₂₀₁₆S₄₆

MOLECULAR WEIGHT

143.3 kDa

TRADEMARK	None as yet
SPONSOR	AbbVie
CODE DESIGNATIONS	ABT-555, PR-1432051, AE12-1Y-QL
<u>CAS</u> REGISTRY NUMBER	1791416-49-3
UNII	SK1LVT23A1
WHO NUMBER	10344

gbk