

STATEMENT ON A NONPROPRIETARY NAME ADOPTED BY THE USAN COUNCIL:

USAN TEPLIZUMAB  
 PRONUNCIATION tep liz' oo mab  
 THERAPEUTIC CLAIM Type 1 diabetes

CHEMICAL NAMES

1. Immunoglobulin G1, anti-(human CD3 (antigen)  $\epsilon$ -chain) (human-mouse monoclonal MGA031 heavy chain), disulfide with human-mouse monoclonal MGA031 light-chain, dimer
2. Immunoglobulin G1, anti-(human T-cell surface glycoprotein CD3 epsilon chain) humanized mouse monoclonal MGA031; gamma1 heavy chain [humanized VH (*Homo sapiens* FR/*Mus musculus* CDR)-[117-alanine,118-alanine]*Homo sapiens* IGHG1] (222-213')-disulfide with kappa light chain [humanized V-KAPPA (*Homo sapiens* FR/*Mus musculus* CDR)-*Homo sapiens* IGKC]; (228-228":231-231")-bisdisulfide dimer

STRUCTURAL FORMULA

**Heavy chain**

QVQLVQSGGG	VVQPGRSLRL	SCKASGYTFT	RYTMHWVRQA	PGKGLEWIGY	50
INPSRGYTN	NQVKDRFTI	SRDNSKNTAF	LQMDSLRPED	TGVYFCARYY	100
DDHYCLDYWG	QGTPVTVSSA	STKGPSVFPL	APSSKSTSGG	TAALGCLVKD	150
YFPEPVTVSW	NSGALTSGVH	TFPAVLQSSG	LYSLSSVVTV	PSSSLGTQTY	200
ICNVNHKPSN	TKVDKKVEPK	SCDKTHTCPP	CPAPEAAGGP	SVFLFPPKPK	250
DTLMISRTPE	VTCVVDVSH	EDPEVKFNWY	VDGVEVHNAK	TKPREEQYNS	300
TYRVVSVLTV	LHQDWLNGKE	YKCKVSNKAL	PAPIEKTISK	AKGQPREPQV	350
YTLPPSRDEL	TKNQVSLTCL	VKGFYPSDIA	VEWESNGQPE	NNYKTTTPVL	400
DSDGSFFLYS	KLTVDKSRWQ	QGNVFSCSVM	HEALHNHYTQ	KSLSLSPGK	449

**Light chain**

DIQMTQSPSS	LSASVGDRV	ITCSASSSVS	YMNWYQQTPG	KAPKRWIYDT	50'
SKLASGVPSR	FSGSGSGTDY	TFTISLQPE	DIATYYCQQW	SSNPFTFGQG	100'
TKLQITRTVA	APSVFIFPPS	DEQLKSGTAS	VVCLLNNFYP	REAKVQWKVD	150'
NALQSGNSQE	SVTEQDSKDS	TYSLSSTLTL	SKADYEKHKV	YACEVTHQGL	200'
SSPVTKSFNR	GEC				213'

**Disulfide bridges location / Position des ponts disulfure / Posiciones de los puentes disulfuro**

22-96	22"-96"	23'-87'	23"'-87'"	133'-193'	133"'-193'"	146-202	146"-202"
213'-222	213"'-222"	228-228"	231-231"	263-323	263"-323"	369-427	369"-427"

MOLECULAR FORMULA

$C_{6462}H_{9938}N_{1738}O_{2022}S_{46}$

MOLECULAR WEIGHT

145.8 kDa

TRADEMARK

None as yet

MANUFACTURER

MacroGenics, Inc.

CODE DESIGNATION

MGA031

CAS REGISTRY NUMBER

876387-05-2