STATEMENT ON A NONPROPRIETARY NAME ADOPTED BY THE USAN COUNCIL

USAN (KL-06)	ZELUVALIMAB
PRONUNCIATION	zel” oo va li’ mab
THERAPEUTIC CLAIM	Antineoplastic

CHEMICAL NAMES

1. Immunoglobulin G1 [295-cysteine,300-glycine,305-cysteine], anti-(human programmed cell death 1) (human monoclonal 20C1.009 mAb γ1-chain), disulfide with human monoclonal 20C1.009 mAb κ-chain, dimer (Source: CAS)

2. immunoglobulin G1-kappa, anti-[*Homo sapiens* Programmed cell death protein 1 (Protein PD-1; hPD-1; antigen=CD279)], human monoclonal antibody; γ1 heavy chain (1-450)[VH (*Homo sapiens* IGHV3-23*03 (93%) –(IGHD)-IGHJ1*01 (91%)) [8.8.13] (1-120) - IGHG1*03 {CH1[R^{97}>K(217)], CH2[R^{62}>C(295), N^{67}>G(300), V^{72}>C(305)]} (121-450)] (223-214')-disulfide with κ light chain (1'-214') [V-KAPPA (*Homo sapiens* IGKV1-12*01 (97%) - IGKJ4*01)[6.3.9] (1'-107') -*Homo sapiens* IGKC*01 (108'-214')], dimer (229-229'':232-232'')-bisdisulfide, produced in CHO cells, non-glycosylated

STRUCTURAL FORMULA

Heavy chains (X & X'')

EVQLLESGGG	LVQPGGSLRL	SCAASGFTFS	SYDMSWVRQA	PGKGLEWVSL	50
ISGGGSQTYY	AESVKGRFTI	SRDNSKNTLY	LQMNSLRAED	TAVYFCASPS	100
GHYFYAMDVW	GQGTTVTVSS	ASTKGPSVFP	LAPSSKSTSG	GTAALGCLVK	150
DYFPEPVTVS	WNSGALTSGV	HTFPAVLQSS	GLYSLSSVVT	VPSSSLGTQT	200
YICNVNHKPS	NTKVDKKVEP	KSCDKTHTCP	PCPAPELLGG	PSVFLFPPKP	250
KDTLMISRTP	EVTCVVVDVS	HEDPEVKFNW	YVDGVEVHNA	KTKPCEEQYG	300
STYRCVSVLT	VLHQDWLNGK	EYKCKVSNKA	LPAPIEKTIS	KAKGQPREPQ	350
VYTLPPSREE	MTKNQVSLTC	LVKGFYPSDI	AVEWESNGQP	ENNYKTTPPV	400
LDSDGSFFLY	SKLTVDKSRW	QQGNVFSCSV	MHEALHNHYT	QKSLSLSPGK	450

Light chains (X' & X''')

DIQMTQSPSS	VSASVGDRVT	ITCRASQGIS	NWLAWYQQKP	GKAPKLLIFA	50'
ASSLQSGVPS	RFSGSGSGTD	FTLTISSLQP	EDFATYYCQQ	AESFPHTFGG	100'
GTKVEIKRTV	AAPSVFIFPP	SDEQLKSGTA	SVVCLLNNFY	PREAKVQWKV	150'
DNALQSGNSQ	ESVTEQDSKD	STYSLSSTLT	LSKADYEKHK	VYACEVTHQG	200'
LSSPVTKSFN	RGEC				214'

Disulfide bridges location

22-96	22''-96''	23'-88'	23'''-88'''	134'-194'	134'''-194'''
147-203	147''-203''	214'-223	214'''-223''	229-229''	232-232''
264-324	264'''-324'''	295-305	295''-305''	370-428	370''-428''

Deleted residues

K-450, 450''

Glycosylation sites (N)

none

MOLECULAR FORMULA	$C_{6390}H_{9860}N_{1696}O_{2008}S_{30}$
MOLECULAR WEIGHT	144.17 kDa
TRADEMARK	None as yet

SPONSOR	Amgen Inc.
CODE DESIGNATIONS	AMG 404; 20C1.009
CAS REGISTRY NUMBER	2315361-37-4
UNII	DX474PAV6P
WHO NUMBER	11417

gbk