STATEMENT ON A NONPROPRIETARY NAME ADOPTED BY THE USAN COUNCIL

USAN (KL-43)	DOMVANALIMAB
PRONUNCIATION	dom” van al' i mab
THERAPEUTIC CLAIM	Antineoplastic, Checkpoint inhibitor

CHEMICAL NAMES

1. Immunoglobulin G1 [236-alanine,237-alanine,de-C-terminal-lysine], anti-(human receptor TIGIT)(human-Mus musculus monoclonal AB154 γ1-chain), disulfide with human-Mus musculus monoclonal AB154 κ-chain, dimer (Source: CAS)

2. immunoglobulin G1-kappa, anti-[*Homo sapiens* TIGIT (T-cell immunoreceptor with Ig domain and ITIM, V-set Ig member 9, VSIG9, V-set and transmembrane member 3, VSTM3)], humanized monoclonal antibody; gamma1 heavy chain humanized (1-448) [VH (*Homo sapiens* IGHV3-48*01 (90.8%) -(IGHD) -IGHJ4*01 (92.3%)) CDR-IMGT [8.8.12] (26-33.51-58.97-108) (1-119) -*Homo sapiens* IGHG1*01, G1m17,1, G1v14 CH2 A1.3, A1.2 (CH1 K120 (216) (120-217), hinge 1-15 (218-232), CH2 L1.3>A (236), L1.2>A (237) (233-342), CH3 D12 (358), L14 (360) (343-447), CHS K>del (448)) (120-448)], (222-214')-disulfide with kappa light chain humanized (1'-214') [V-KAPPA (*Homo sapiens* IGKV1-16*01 (89.5%) -IGKJ4*01 (100%)) CDR-IMGT [6.3.9] (27-32.50-52.89-97) (1'-107') -*Homo sapiens* IGKC*01 (100%) Km3 A45.1 (153), V101 (191) (108'-214')]; dimer (228-228'':231-231'')-bisdisulfide, produced in a Chinese hamster ovary (CHO)-K1 cell line, glycoform alfa (Source: WHO pINN list 124)

STRUCTURAL FORMULA

Heavy chain X, X’’

EVQLVESGGG	LVQPGGSLRL	SCAASGFTFS	NFGMHWVRQA	PGKGLEWVAF	50
ISSGSSSIYY	ADTVKGRFTI	SRDNAKNSLY	LQMNSLRAED	TAVYYCARMR	100
LDYYAMDYWG	QGTMVTVSSA	STKGPSVFPL	APSSKSTSGG	TAALGCLVKD	150
YFPEPVTVSW	NSGALTSGVH	TFPAVLQSSG	LYSLSSVVTV	PSSSLGTQTY	200
ICNVNHKPSN	TKVDKKVEPK	SCDKTHTCPP	CPAPEAAGGP	SVFLFPPKPK	250
DTLMISRTPE	VTCVVVDVSH	EDPEVKFNWY	VDGVEVHNAK	TKPREEQYNS	300
TYRVVSVLTV	LHQDWLNGKE	YKCKVSNKAL	PAPIEKTISK	AKGQPREPQV	350
YTLPPSRDEL	TKNQVSLTCL	VKGFYPSDIA	VEWESNGQPE	NNYKTTPPVL	400
DSDGSFFLYS	KLTVDKSRWQ	QGNVFSCSVM	HEALHNHYTQ	KSLSLSPG	448

Light chain X’, X’’’

DIQMTQSPSS	LSASVGDRVT	ITCRASKSIS	KYLAWYQQKP	GKAPKLLIYS	50’
GSTLQSGVPS	RFSGSGSGTD	FTLTISSLQP	EDFATYYCQQ	HNEYPWTFGG	100’
GTKVEIKRTV	AAPSVFIFPP	SDEQLKSGTA	SVVCLLNNFY	PREAKVQWKV	150’
DNALQSGNSQ	ESVTEQDSKD	STYSLSSTLT	LSKADYEKHK	VYACEVTHQG	200’
LSSPVTKSFN	RGEC				214’

Disulfide bridges

22-96	22’’-96’’	23’-88’	23’’’-88’’’	134’-194’	134’’’-194’’’	146-202	146’’-202’’
222-214’	222’’-214’’’	228-228’’	231-231’’	263-323	263’’-323’’	369-427	369’’-427’’

Glycosylation sites (N)

299	299’’

MOLECULAR FORMULA	$C_{6422}H_{9938}N_{1712}O_{2001}S_{48}$
MOLECULAR WEIGHT	144.68 kDa
TRADEMARK	None as yet
SPONSOR	Arcus Biosciences, Inc.
CODE DESIGNATIONS	AB154
CAS REGISTRY NUMBER	2368219-35-4
UNII	45X7OU8C4J
WHO NUMBER	11559

gbk