

STATEMENT ON A NONPROPRIETARY NAME ADOPTED BY THE USAN COUNCIL

USAN (GH-122) DAXDILIMAB
 PRONUNCIATION dax dil' i mab
 THERAPEUTIC CLAIM Treatment of autoimmune disorders

CHEMICAL NAMES

1. Immunoglobulin G1, anti-(human leukocyte Ig-like receptor A4) (human monoclonal VIB7734 γ 1-chain), disulfide with human monoclonal VIB7734 λ -chain, dimer
2. Immunoglobulin G1-lambda, anti-(*Homo sapiens* Leukocyte immunoglobulin-like receptor subfamily A member 4 (CD85 antigen-like family member G, Immunoglobulin-like transcript 7)); human monoclonal antibody; γ 1 heavy chain (1-452) [*Homo sapiens* VH (IGHV1-18*01 (99%) –(IGHD)-IGHJ2*01 (93%)) [8.8.15] (1-122) -*Homo sapiens* IGHG1*03] (123-452)] (225-215')-disulfide with λ light chain (1'-216') [*Homo sapiens* V-LAMBDA (IGLV2-14*01 (98%) –IGLJ2*01 (91%))][9.3.10] (1'-107') -*Homo sapiens* IGLC2*01 (108'-216')], dimer (231-231":234-234")-bisdisulfide

STRUCTURAL FORMULA

Heavy chain

QVQLQQSGAE	VKKPGASVKV	SCKASGYTFT	SYGISWVRQA	PGQGLEWMGW	50
ISAYNGNTNY	AQKLQGRVTM	TTDTSTSTAY	MELRSLRSD	TAVYYCARNG	100
LWGWDSDAFD	IWGRGTLVTV	SSASTKGPSV	FPLAPSSKST	SGGTAALGCL	150
VKDYFPEPVT	VSWNSGALTS	GVHTFPAVLQ	SSGLYSLSV	VTVPSSSLGT	200
QTYICNVNHK	PSNTKVDKRV	EPKSCDKTHT	CPPCPAPELL	GGPSVFLFPP	250
KPKDTLMISR	TPEVTCVVVD	VSHEDPEVKF	NWYVDGVEVH	NAKTKPREEQ	300
YNSTYRVVSV	LTVLHQDWLN	GKEYKCKVSN	KALPAPIEKT	ISKAKGQPRE	350
PQVYTLPPSR	EEMTKNQVSL	TCLVKGFYPS	DIAVEWESNG	QPENNYKTP	400
PVLDSDSGFF	LYSKLTVDKS	RWQQGNVFSC	SVMHEALHNN	YTKSLSLSP	450
GK					452

K^{452} and K^{452} are removed post-translationally.

Light chain

QSALTQPASV	SGSPGQSITI	SCTGTSSDVG	GYNYVSWYQQ	HPGKAPKLM	50'
YDVSNRPSGV	SNRFGSKSG	NTASLTISGL	QAEDEADYCY	SSYTSSTTVV	100'
FGGGTKVTVL	GQPKAAPSVT	LFPPSSEELQ	ANKATLVCLI	SDFYPGAVTV	150'
AWKADSSPVK	AGVETTPSK	QSNNKYAASS	YLSLTPEQWK	SHRSYSCQVT	200'
HEGSTVEKTV	APTECS				216'

Disulfide bridges location

22'-90'	22"-90"	22-96	22"-96"	138'-197'	138"-197"	149-205	149"-205"
215'-225'	215"-225"	231-231"	234-234"	266-326	266"-326"	372-430	372"-430"

Glycosylation sites (N)

Asn-302 Asn-302"

MOLECULAR FORMULA $C_{6378}H_{9860}N_{1708}O_{2028}S_{46}$

MOLECULAR WEIGHT 144.4 kDa (non-glycosylated)

TRADEMARK None as yet

SPONSOR	Viela Bio, Inc.
CODE DESIGNATIONS	VIB7734, MEDI7734
<u>CAS</u> REGISTRY NUMBER	2245966-28-1
UNII	CNI3N6QR71
WHO NUMBER	11390

gbk