

December 25, 2013

## STATEMENT ON A NONPROPRIETARY NAME ADOPTED BY THE USAN COUNCIL

USAN (AB-79)	VARLILUMAB
PRONUNCIATION	var lil' ue mab
THERAPEUTIC CLAIM	Immunotherapy for solid tumors and hematologic malignancies
CHEMICAL NAMES	

1. Immunoglobulin G1, anti-(human CD antigen CD27) (human monoclonal CDX-1127 clone 1F5 heavy chain), disulfide with human monoclonal CDX-1127 clone 1F5  $\kappa$ -chain, dimer
2. Immunoglobulin G1-kappa, anti-(human CD27 antigen (CD27L receptor, T-cell activation antigen CD27, T14, tumor necrosis factor receptor superfamily member 7)), human monoclonal antibody; gamma 1 heavy chain (1-452) [human VH (IGHV3-33\*01 (99.0%) –(IGHD)-IGHJ4\*01 [8.8.12] (1-119) –IGHG1\*01 (120-449) –GlySerSer (450-452)] (222-214')-disulfide with kappa light chain (1'-214') [human V-KAPPA (IGKV1D-16\*01 (97.9%) –IGKJ1\*01) [6.3.9] (1'-107') –IGKC\*01 (108'-214')] dimer (228-228':231-231'')-bisdisulfide

## STRUCTURAL FORMULA

## Heavy chain

QVQLVESGGG	VVQPGRSLRL	SCAASGFTFS	SYDMHWVQA	PGKGLEWVAV	50
IWYDGSNKYY	ADSVKGRFTI	SRDNSKNTLY	LQMNSLRAED	TAVYYCARGS	100
GNWGFFDYWG	QGTLLTVSSA	STKGPSVFPL	APSSKSTSGG	TAALGCLVKD	150
YFPEPVTVSW	NSGALTSVH	TFPAVLQSSG	LYSLSSVTV	PSSSLGTQTY	200
ICNVNHKPSN	TKVDKKEPK	SCDKTHTCPP	CPAPELLGGP	SVFLFPPKPK	250
DTLMISRTP	VTCVVDVSH	EDPEVKFNWY	VDGVEVHNAK	TKPREEQYNS	300
TYRVVSVLTV	LHQDWLNGKE	YKCKVSNKAL	PAPIEKTISK	AKGQPREPQV	350
YTLPPSRDEL	TKNQVSLTCL	VKGFYPSDIA	VEWESNGQPE	NNYKTTTPVL	400
DSDGSFFLYS	KLTVDKSRWQ	QGNVFSCSVM	HEALHNHYTQ	KSLSLSPGKG	450
SS					452

## Light chain

DIQMTQSPSS	LSASVGRVTV	ITCRASQGIS	RWLAWYQQKP	EKAPKSLIYA	50'
ASSLQSGVPS	RFSGSGSGTD	FRTLTISLQP	EDFATYYCQQ	YNTYPRTFGQ	100'
GTKVEIKRTV	AAPSVFIFPP	SDEQLKSGTA	SVVCLLNIFY	PREAKVQWKV	150'
DNALQSGNSQ	ESVTEQDSKD	STYLSLSTLT	LSKADYEKHK	VYACEVTHQG	200'
LSSPVTKSFN	RGEC				214'

## Disulfide bridges

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

## Glycosylation sites (N)

Asn-299 Asn-299'

## MOLECULAR FORMULA

 $C_{6486}H_{9992}N_{1740}O_{2022}S_{42}$ 

## MOLECULAR WEIGHT

146.0 kDa

VARLILUMAB

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TRADEMARK

None as yet

N13

164

SPONSOR

Celldex Therapeutics

CODE DESIGNATIONS

CDX-1127

CAS REGISTRY NUMBER

1393344-72-3

WHO NUMBER

9933

gbk