

May 26, 2016

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

USAN (DE-21) LARCAVIXIMAB

PRONUNCIATION lar" ka vix' i mab

THERAPEUTIC CLAIM Treatment of Ebola Virus Disease

## CHEMICAL NAMES

1. Immunoglobulin G1, anti-(Ebola virus glycoprotein) (human-*Mus musculus* monoclonal c4G7 heavy chain), disulfide with human-*Mus musculus* monoclonal c4G7  $\kappa$ -chain, dimer
2. Immunoglobulin G1-kappa, anti-(Ebola virus glycoprotein); chimeric *Homo sapiens-Mus musculus* monoclonal antibody:  $\gamma$ 1 heavy chain (1-449) [*Mus musculus* VH (IGHV1-42\*01 (86%) –(IGHD)-IGHJ3\*01) [8.8.12] (1-119) -*Homo sapiens* IGHG1\*01{CH1 K97>R(216)} (120-449)] (222-214')-disulfide with  $\kappa$  light chain (1'-214') [*Mus musculus* V-kappa (IGKV12-44\*01 (97%) –IGKJ4\*01 (92%)) [6.3.9] (1'-107') -*Homo sapiens* IGKC\*01 (108'-214')] dimer (228-228":231-231")-bisdisulfide

## STRUCTURAL FORMULA

## Heavy chain

EVQLQESGPE	LEMPGASVKI	SCKASGSSFT	GFSMNWVKQS	NGKSLEWIGN	50
IDFYYGFTY	NQKFKGKATL	TVDKSSSTAY	MQLKSLTSED	SAVYYCARSA	100
YYGSTFAYWG	QGTLVTVSAA	STKGPSVFPL	APSSKSTSGG	TAAAGCLVKD	150
YFPEPVTVSW	NSGALTSGVH	TFPVAVLQSSG	LYSLSSVTV	PSSSLGTQTY	200
ICNVNHKPSN	TKVDKRVPEK	SCDKTHTCPP	CPAPELGGP	SVFLFPPKPK	250
DTLMISRTP	VTCVVDVSH	EDPEVKFNWY	VDGVEVHNAK	TKPREEQYNS	300
TYRVVSVLTV	LHQDWLNGKE	YKCKVSNKAL	PAPIEKTISK	AKGQPREPQV	350
YTLPPSRDEL	TKNQVSLTCL	VKGFYPSDIA	VEWESNGQPE	NNYKTTTPVL	400
DSDGSEFLYS	KLTVDKSRWQ	QGNVFSQSV	HEALHNHYTQ	KSLSLSPGK	449

## Light chain

DIQMTQSPAS	LSASVGETVT	ITCRASENIY	SYLAWYQQKQ	GKSPQLLVYN	50'
AKTLIEGVPS	RFSGSGSGTQ	FSLKINSLQP	EDFGSYFCQH	HFGTPTFTFGS	100'
GTELEIKRTV	AAPSVFIFPP	SDEQLKSGTA	SVVCLLNNFY	PREAKVQWKV	150'
DNALQSGNSQ	ESVTEQDSKD	STYLSSTLT	LSKADYKHK	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  $C_{6444}H_{9932}N_{1692}O_{2028}S_{44}$  (peptide)

MOLECULAR WEIGHT 144.9 kDa (peptide)

TRADEMARK	ZMapp
SPONSOR	Mapp Biopharmaceutical Inc.
CODE DESIGNATIONS	c4G7
<u>CAS</u> REGISTRY NUMBER	1792982-56-9
UNII	181UPT812X
WHO NUMBER	10537

gbk