

# STATEMENT ON A NONPROPRIETARY NAME ADOPTED BY THE USAN COUNCIL

USAN (GH-170) PLAMOTAMAB  
 PRONUNCIATION pla moe' ta mab  
 THERAPEUTIC CLAIM Antineoplastic, immunomodulator

## CHEMICAL NAMES

1. Immunoglobulin G1, anti-(human CD3 antigen) (human-*Mus musculus* monoclonal XmAb13676  $\gamma$ 1-chain), (265→230'),(268→233')-bis(disulfide) with immunoglobulin G1, anti-(human CD20 antigen) (human-*Mus musculus* monoclonal XmAb13676  $\gamma$ 1-chain) disulfide with human-*Mus musculus* monoclonal XmAb13676  $\kappa$ -chain
2. Immunoglobulin G1-kappa monomer anti-(*Homo sapiens* B-lymphocyte antigen CD20 (Membrane-spanning 4-domains subfamily A member 1, CD20 antigen)), linked to scFv-h-CH2-CH3 anti-(*Homo sapiens* T-cell surface glycoprotein CD3 epsilon chain (T-cell surface antigen T3/Leu-4 epsilon chain, CD3e antigen)), monoclonal antibody, bispecific;  $\gamma$ 1 heavy chain anti-CD20 (1-450) [VH (*Homo sapiens*IGHV1-3\*01 (89%) –(IGHD)-IGHJ2\*01 (81%)) [8.8.14] (1-121) -*Homo sapiens*IGHG1\*03 {CH1[N<sup>91</sup>>D(212),R<sup>97</sup>>K(218)], CH2[E<sup>3</sup>>P(237),L<sup>4</sup>>V(238),L<sup>5</sup>>-(del),G<sup>6</sup>>A(239),S<sup>37</sup>>K(270),Q<sup>65</sup>>E(298)], CH3[L<sup>28</sup>>D(371),K<sup>30</sup>>S(373),N<sup>44</sup>>D(387),Q<sup>78</sup>>E(421),N<sup>81</sup>>D(424)]} (122-450)] (224-213')-disulfide with  $\kappa$  light chain anti-CD20 (1'-213') [V-KAPPA (*Homo sapiens*IGKV1-16\*01 (81%) –IGKJ4\*01)[5.3.9] (1'-106') -*Homo sapiens*IGKC\*01 (107'-213')]; heavy chain (scFv-h-CH2-CH3) anti-CD3E (1"-485") [VH (*Homo sapiens*IGHV3-73\*01 (87%) –(IGHD)-IGHJ6\*01 (91%)) [8.10.16] (1"-125") –tetrakis(glycyllysylprolylglycylseryl) linker (126"-145") V-LAMBDA (*Mus musculus*IGLV1\*01 (81%) -IGLJ1\*01/*Homo sapiens*IGLV7-46\*01 (77%) –IGLJ3\*02) [9.3.9] (146"-254") -IGHG1\*03 {des-CH1, H[C<sup>5</sup>>S(259")], CH2[E<sup>3</sup>>P(272"),L<sup>4</sup>>V(273"),L<sup>5</sup>>-(del),G<sup>6</sup>>A(274"),S<sup>37</sup>>K(305")], CH3[E<sup>17</sup>>Q(395"),S<sup>24</sup>>K(402")]} (255"-485")]; heterodimer (230-265":233-268")-bisdisulfide

## STRUCTURAL FORMULA

Heavy chain [anti-(*Homo sapiens* CD20)]

QVQLVQSGAE	VKKPGASVKV	SKKASGYTFT	SYNMHWVRQA	PGQGLEWMGA	50
IYPGNGDTSY	NQKFQGRVTI	TADKSISTAY	MELSSLRSED	TAVYYCARST	100
YYGGDWYFNV	WGAGTLVTVS	SASTKGPSVF	PLAPSSKSTS	GGTAALGCLV	150
KDYFPEPVTV	SWNSGALTSG	VHTFPAVLQS	SGLYSLSSVV	TVPSSSLGTQ	200
TYICNVNHKP	SDTKVDKQVE	PKSCDKTHTC	PPCPAPPVAG	PSVFLFPPKP	250
KDTLMISRTP	EVTCVVVDVK	HEDPEVKFNW	YVDGVEVHNA	KTKPREEEYN	300
STYRVVSVLT	VLHQDWLNGK	EYKCKVSNKA	LPAPIEKTIS	KAKGQPREPQ	350
VYTLPPSREE	MTKNQVSLTC	DVSGFYPSDI	AVEWESDQGP	ENNYKTTTPPV	400
LDSDGSFFLY	SKLTVDKSRW	EQGDVFSCSV	MHEALHNHYT	QKSLSLSPGK	450

Light chain [anti-(*Homo sapiens* CD20)]

QIVLTQSPSS	LSASVGDRVT	ITCRASSSVS	YIHWFQQKPG	KSPKPLIYAT	50'
SNLASGVPVR	FSGSGSGTDY	TLTISSLQPE	DFATYYCQW	TSNPPTFGGG	100'
TKVEIKRTVA	APSVFIFPPS	DEQLKSGTAS	VVCLLNNFYP	REAKVQWKVD	150'
NALQSGNSQE	SVTEQDSKDS	TYSLSSTLTL	SKADYEKHKV	YACEVTHQGL	200'
SSPVTKSFNR	GEC				213'

Heavy chain (modified) [anti-(*Homo sapiens* CD3E)]

EVQLVESGGG	LVQPGGSLRL	SCAASGFTFS	TYAMNWRQA	PGKGLEWVGR	50"
IRSKYNNYAT	YYADSVKGRF	TISRDDSKNT	LYLQMNSLRA	EDTAVYYCVR	100"
HGNFGDSYVS	WFAYWGQGTL	VTVSSGKPGS	GKPGSGKPGS	GKPGSQAVVT	150"
QEPSLTVSPG	GTVTLTGSS	TGAVTTSNYA	NWVQQKPGKS	PRGLIGGTNK	200"
RAPGVPARFS	GSLGGAAL	TISGAQPEDE	ADYICALWYS	NHWVFGGGTK	250"
LTVLEPKSSD	KTHTCPPCPA	PPVAGPSVFL	FPPKPKDTLM	ISRTPEVTCV	300"
VVDVKHEDPE	VKFNWYVDGV	EVHNAKTKPR	EEQYNSTYRV	VSVLTVLHQD	350"
WLNGKEYKCK	VSNKALPAPI	EKTISKAKGQ	PREPQVYTLP	PSREQMTKNQ	400"
VKLTCLVKGF	YPSDIAVEWE	SNGQPENNYK	TTPPVLDSDG	SFFLYSKLTV	450"
DKSRWQQGNV	FSCSVMEAL	HNHYTQKSL	LSPGK		485"

Disulfide bridges

22-96	22"-98"	23'-87'	133'-193'	148-204	167"-235"	213'-224
230-265"	233-268"	264-324	299"-359"	370-428	405"-463"	

Glycosylation sites (N)

Asn-300 Asn-335"

**MOLECULAR FORMULA** C<sub>5571</sub>H<sub>8576</sub>N<sub>1490</sub>O<sub>1722</sub>S<sub>37</sub> (non-glycosylated)

**MOLECULAR WEIGHT** 125.2 kDa (non-glycosylated)

**TRADEMARK** None as yet

**SPONSOR** Xencor, Inc.

**CODE DESIGNATIONS** XmAb13676

**CAS REGISTRY NUMBER** 2138442-31-4

**UNII** 5ENX424FNF

**WHO NUMBER** 11020

gbk