

June 25, 2014

STATEMENT ON A NONPROPRIETARY NAME ADOPTED BY THE USAN COUNCIL

USAN (BC-121) FLETIKUMAB

PRONUNCIATION fle tik' ue mab

THERAPEUTIC CLAIM Treatment of rheumatoid arthritis

CHEMICAL NAMES

1. Immunoglobulin G4, anti-(human interleukin 20) (human monoclonal 15D2 heavy chain), disulfide with human monoclonal 15D2 κ -chain, dimer
2. Immunoglobulin G4-kappa, anti-(human interleukin-20 (cytokine Zcyto10, IL-20); human monoclonal antibody: γ 4 heavy chain (1-454) [human VH (IGHV1-3*01 (89%) –(IGHD)-IGHJ6*01) [8.8.20] (1-127) –IGHG4*01 [H¹⁰S>P (235)] (128-454)] (141-214')-disulfide with κ light chain (1'-214') [human V-KAPPA (IGKV1-13*02 (100%) –IGKJ4*01) [6.3.9] (1'-107') -IGKC*01 (108'-214')] dimer (233-233":236-236")-bisdisulfide

STRUCTURAL FORMULA

Heavy chain

QVQLVQSGAE	VKRPASVKV	SCKASGYTFT	NDIIHWVQA	PGQRLEWMGW	50
INAGYGNTQY	SQNFQDRVSI	TRDTSASTAY	MELISLRSED	TAVYYCAREP	100
LWFGESSPHD	YYGMDVWGQG	TTVTVSSAST	KGPSVFPLAP	CSRSTSESTA	150
ALGCLVKDYF	PEPVTVSWNS	GALTSGVHTF	PAVLQSSGLY	SLSSVVTVPS	200
SSLGTKTYTC	NVDHKPSNTK	VDKRVESKYG	PPCPPCPAPE	FLGGPSVFLF	250
PPKPKDTLMI	SRTPEVTCVV	VDVSQEDPEV	QFNWYVDGVE	VHNAKTKPRE	300
EQFNSTYRVV	SVLTVLHQDW	LNGKEYKCKV	SNKGLPSSIE	KTISKAKGQP	350
REPQVYTLPP	SQEEMTKNQV	SLTCLVKGFY	PSDIAVEWES	NGQPENNYKT	400
TPPVLDSDGS	FFLYSRLTVD	KSRWQEGNVF	SCSVMHEALH	NHYTQKLSL	450
SLGK					454

Light chain

AIQLTQSPSS	LSASVGRVVT	ITCRASQGIS	SALAWYQQKP	GKAPKLLIYD	50'
ASSLESGVPS	RFSGSGSGTD	F ^T LTLSLQP	EDFATYYCQQ	FNSYPLTFGG	100'
GTKVEIKRTV	AAPSVFIFPP	SDEQLKSGTA	SVVCLLNNFY	PREAKVQWKV	150'
DNALQSGNSQ	ESVTEQDSKD	STYLSSTLT	LSKADYEKHK	VYACEVTHQG	200'
LSSPVTKSFN	RGEC				214'

Disulfide bridges location

22-96	22"-96"	23'-88'	23"-88"	134'-194'	134"-194"	141'-214'	141"-214"
154-210	154"-210"	233-233"	236-236"	268-328	268"-328"	374-432	374"-432"

Glycosylation sites (N)

Asn-304 Asn-304"

MOLECULAR FORMULA $C_{6494}H_{10000}N_{1728}O_{2050}S_{44}$

MOLECULAR WEIGHT 146.5 kDa

TRADEMARK None as yet

SPONSOR	Novo Nordisk A/S
CODE DESIGNATIONS	Anti-IL-20, NNC0109-0012
<u>CAS</u> REGISTRY NUMBER	1357158-22-5
UNII	82WG3POL9W
WHO NUMBER	9876

gbk