

STATEMENT ON A NONPROPRIETARY NAME ADOPTED BY THE USAN COUNCIL

USAN (FG-171) OBEXELIMAB
 PRONUNCIATION oh" bex el' i mab
 THERAPEUTIC CLAIM Immunomodulator

CHEMICAL NAMES

1. Immunoglobulin G1, anti-(human CD19 antigen) (human-Mus musculus monoclonal XmAb5871 heavy chain), disulfide with human-Mus musculus monoclonal XmAb5871 light chain, dimer
2. Immunoglobulin G1-kappa, anti-(*Homo sapiens* B-lymphocyte antigen CD19 (Differentiation antigen CD19; T-cell surface antigen Leu-12)); humanized mouse monoclonal antibody; γ 1 heavy chain (1-451) [*Mus musculus* VH (IGHV1-14*01 (78%) –(IGHD)-IGHJ4*01 (100%)) [8.8.14] (1-121) -*Homo sapiens* IGHG1*03 {CH1[R¹²⁰>K(218)], CH2[S²⁹>E(271),L¹¹³>F(332)] (122-451)] (224-219')-disulfide with κ light chain (1'-219') [*Mus musculus* V-KAPPA (IGKV2-137*01 (75%) –IGKJ2*03 (91%)) [11.3.9] (1'-112') -*Homo sapiens* IGKC*01 (113'-219')], dimer (230-230":233-233")-bisdisulfide

STRUCTURAL FORMULA

Heavy chain

EVQLVESGGG	LVKPGGSLKL	SCAASGYTFT	SYVMHWVRQA	PGKGLEWIGY	50
INPYNDGTKY	NEKFGQGRVTI	SSDKSISTAY	MELSSLRSED	TAMYYCARGT	100
YYYGTRVFDY	WQQTTLVTVS	SASTKGPSVF	PLAPSSKSTS	GGTAALGCLV	150
KDYFPEPVTV	SWNSGALTSG	VHTFPAVLQS	SGLYSLSSV	TVPSSSLGTQ	200
TYICNVNHKP	SNTKVDKKVE	PKSCDKTHTC	PPCPAPELLG	GPSVFLFPPK	250
PKDTLMI SRT	PEVTCVVVDV	EHEDPEVKFN	WYVDGVEVHN	AKTKPREEQY	300
NSTYRVVSVL	TVLHQDWLNG	KEYKCKVSNK	AFPAPIEKTI	SKAKGQPREP	350
QVYTLPPSRE	EMTKNQVSLT	CLVKGFYPSD	IAVEWESNGQ	PENNYKTTTP	400
VLDSDGSFFL	YSKLTVDKSR	WQQGNVFS	VMHEALHNHY	TQKSLSLSPG	450
K					451

Light chain

DIVMTQSPAT	LSLSPGERAT	LSCRSSKSLQ	NVNGNTYLYW	FQQKPGQSPQ	50'
LLIYRMSNLN	SGVPDRFSGS	GSGETFTLTI	SSLEPEDFAV	YYCMQHLEYP	100'
ITFGAGTKLE	IKRTVAAPSV	FIFPPSDEQL	KSGTASVVCL	LNNFYPREAK	150'
VQWKVDNALQ	SGNSQESVTE	QDSKSTYSL	SSTLTLSKAD	YEKHKVYACE	200'
VTHQGLSSPV	TKSFNRGEC				219'

Disulfide bridges location

22-96	22"-96"	23'-93'	23"-93"	139'-199'	139"-199"	148-204	148"-204"
219-224	219"-224"	230-230"	233-233"	265-325	265"-325"	371-429	371"-429"

Glycosylation sites (N)
 Asn-301 Asn-301"

MOLECULAR FORMULA C₆₅₆₂H₁₀₁₀₈N₁₇₂₄O₂₀₄₄S₅₀ (non-glycosylated)

MOLECULAR WEIGHT 147.5 kDa (non-glycosylated)

TRADEMARK	None as yet
SPONSOR	Xencor, Inc.
CODE DESIGNATIONS	XmAb5871
<u>CAS</u> REGISTRY NUMBER	1690307-05-1
UNII	RM16A4BA8R
WHO NUMBER	10898

gbk