

STATEMENT ON A NONPROPRIETARY NAME ADOPTED BY THE USAN COUNCIL

USAN (JK-13) LINVOSELTAMAB
 PRONUNCIATION lin" voe sel' ta mab
 THERAPEUTIC CLAIM Treatment of plasma cell disorders

CHEMICAL NAME

1. Immunoglobulin G4 [103-cysteine,108-cysteine,233-proline,238-proline,239-valine,240-alanine,de-241-glycine], anti-(human B-cell maturation antigen) (human monoclonal REGN5458 γ 4-chain), disulfide with human monoclonal REGN5458 κ -chain, (231→230'),(234→233')-bis(disulfide) with immunoglobulin G4 [232-proline,237-proline,238-valine,239-alanine,de-240-glycine,439-arginine,440-phenylalanine,449-proline] anti-(human CD3 antigen) (human monoclonal REGN5458 γ 4-chain) disulfide with human monoclonal REGN5458 κ -chain (Source: CAS)

STRUCTURAL FORMULA

Heavy Chain, anti-BCMA

EVQLVESGGG	LVQPGGSLRL	SCAASGFTFS	NFWMTWVRQA	PGKGLEWVAN	50
MNQDGESEKYY	VDSVKGRFTI	SRDNAKSSLY	LQMNSLRAED	TAVYYCARDR	100
EYCIKSTSCYD	DFDYWGQGTL	VTVSSASTKG	PSVFLAPCS	RSTSESTAAL	150
GCLVKDYFPE	PVTVSWNSGA	LTSGVHTFPA	VLQSSGLYSL	SSVTVTPSSS	200
LGTKTYTCNV	DHKPSNTKVD	KRVESKYGPP	CPPCPAPPVA	GPSVFLFPPK	250
PKDTLMISRT	PEVTCVVDV	SQEDPEVQFN	WYVDGVEVHN	AKTKPREEQF	300
NSTYRVVSVL	TVLHQDWLNG	KEYKCKVSNK	GLPSSIEKTI	SKAKGQPREP	350
QVYTLPPSQE	EMTKNQVSLT	CLVKGFYPSD	IAVEWESNGQ	PENNYKTPPP	400
VLDSDGSFFL	YSRLTVDKSR	WQEGNVFSCS	VMHEALHNHY	TQKSLSLSLG	450
K					451

Light chain (X', X'')

DIQMTQSPSS	LSASVGDRTV	ITCRASQGIS	SYLNWYQQKP	GKAPKLLIYA	50'
ASSLQSGVPS	RFGSGSGTD	FTLTISSLQP	EDFATYYCQQ	SYSTPPITFG	100'
QGTRLEIKRT	VAAPSVFIFP	PSDEQLKSGT	ASVVCLLNRF	YPREAKVQWK	150'
VDNALQSGNS	QESVTEQDSK	DSTYLSSTL	TLSKADYEKH	KVYACEVTHQ	200'
GLSSPVTKSF	NRGEC				215'

REGN5458 Heavy Chain X'' (anti-CD3)

EVQLVESGGG	LVQPGRSLRL	SCAASGFTFD	DYSMHWVRQA	PGKGLEWVSG	50''
ISWNSGSKGY	ADSVKGRFTI	SRDNAKNSLY	LQMNSLRAED	TALYYCAKYG	100''
SGYGKFYHYG	LDVWGQGTIV	TVSSASTKGP	SVFPLAPCSR	STSESTAALG	150''
CLVKDYFPEP	VTVSWNSGAL	TSGVHTFPAV	LQSSGLYSL	SVVTVTPSSSL	200''
GTKTYTCNVD	HKPSNTKVDK	RVESKYGPPC	PPCPAPPVAG	PSVFLFPPKP	250''
KDTLMISRTPT	EVTCTVVDV	QEDPEVQFNW	YVDGVEVHNA	KTKPREEQFN	300''
STYRVVSVLT	VLHQDWLNGK	EYKCKVSNKG	LPSSIEKTI	KAKGQPREPQ	350''
VYTLPPSQEE	MTKNQVSLTC	LVKGFYPSDI	AVEWESNGQP	ENNYKTPPV	400''
LDSGDSFFLY	SRLTVDKSRW	QEGNVFSCSV	MHEALHNRFT	QKSLSLSPGK	450''

Disulfide bridges

22-96	22''-96''	23'-88'	23'''-88'''	135'-195'	135'''-195'''
139-215'	138''-215'''	103-108	151''-207''	152-208	231-230''
234-233''	264''-324''	265-325	370''-428''	371-429	

Glycosylation sites (N)

301 300''

MOLECULAR FORMULA $C_{6455}H_{9955}N_{1721}O_{2039}S_{47}$

MOLECULAR WEIGHT 145.8 kDa

TRADEMARK	None as yet
SPONSOR	Regeneron Pharmaceuticals, Inc.
CODE DESIGNATIONS	REGN5458
<u>CAS</u> REGISTRY NUMBER	2408319-25-3
UNII	M3CPC50MZS
WHO NUMBER	12104

gbk