

STATEMENT ON A NONPROPRIETARY NAME ADOPTED BY THE USAN COUNCIL

USAN (FG-28) LONCASTUXIMAB

PRONUNCIATION Ion" kas tux' i mab

THERAPEUTIC CLAIM Treatment of hematological cancers

CHEMICAL NAMES

1. Immunoglobulin G1, (anti-human CD19 (antigen)) (humanized clone RB4v1.2 γ 1-chain), disulfide with humanized clone RB4v1.2 κ -chain, dimer
2. Immunoglobulin G1-kappa, anti-(*homo sapiens* B-lymphocyte antigen CD-19); chimeric monoclonal antibody; γ 1 heavy chain (1-449) [*Mus musculus* VH (IGHV1-69*02 (86%) –(IGHD)-IGHJ4*01)] [8.8.13] (1-120) -*Homo sapiens* IGHG1*03 {CH1[K⁹⁷>R(217)], CH3[K¹⁰⁷>del(450)]}, (121-449)] (223-211')-disulfide with κ light chain (1'-211') [*Mus musculus* V-KAPPA (IGKV4-70*01 (91%) –IGKJ1*01) [5.3.7] (1'-104') -*Homo sapiens* IGKC*01 (105'-211')], dimer (229-229":232-232")-bisdisulfide

STRUCTURAL FORMULA

Heavy chain

QVQLVQPGAE	VVKPGASVKL	SCKTSGYTFT	SNWMHWKQA	PGQGLEWIGE	50
IDPDSYTNV	NQNFQGKAKL	TVDKSTSTAY	MEVSSLRSDD	TAVYYCARGS	100
NPYYYAMDYW	GQGTSTVTSS	ASTKGPSVFP	LAPSSKSTSG	GTAALGCLVK	150
DYFPEPVTVS	WNSGALTSV	HTFPAVLQSS	GLYSLSSVVT	VPSSSLGTQT	200
YICNVNHHKPS	NTKVDKKEP	KSCDKTHTCP	PCPAPPELLGG	PSVFLFPPKP	250
KDTLMISRTP	EVTCTVVDVS	HEDPEVKFNW	YVDGVEVHNA	GTKPREEQYN	300
STYRVVSVLT	VLHQDWLNGK	EYKCKVSNKA	LPAPIEKTIS	KAKGQPREPQ	350
VYTLPPSREE	MTKNQVSLTC	LVKGFYPSDI	AVEWESNGQP	ENNYKTTTPV	400
LDSGDGSFFLY	SKLTVDKSRW	QQGNVFSQSV	MHEALHNHYT	QKSLSLSPG	449

Light chain

EIVLTQSPAI	MSASPGERV	MTCSSASSGVN	YMHWYQQKPG	TSPRRWIYDT	50'
SKLASGVPAR	FSGSGSGTSS	SLTISSMEPE	DAATYFCHQR	GSYTFGGGTK	100'
LEIKRTVAAP	SVFIFPPSDE	QLKSGTASVV	CLLNFFYPRE	AKVQWKVDNA	150'
LQSGNSQESV	TEQDSKIDSTY	SLSTLTLSK	ADYEKHKVYA	CEVTHQGLSS	200'
PVTKSFRNGE	C				211'

Disulfide bridges

22-96	22"-96"	23'-87'	23'''-87'''	131'-191'	131'''-191'''	147-203	147"-203"
211'-223	211'''-223'''	229-229"	232-232"	264-324	264"-324"	370-428	370"-428"

Glycosylation sites (N)

Asn-300 Asn-300"

MOLECULAR FORMULA C₆₃₉₄H₉₈₄₂N₁₆₉₈O₂₀₁₈S₅₂

MOLECULAR WEIGHT 144.45 kDa (protein)

TRADEMARK None as yet

SPONSOR ADC Therapeutics

CODE DESIGNATIONS	ADCT-402
<u>CAS</u> REGISTRY NUMBER	1875032-68-0
UNII	NYM5HO7I39
WHO NUMBER	10585

gbk