

STATEMENT ON A NONPROPRIETARY NAME ADOPTED BY THE USAN COUNCIL

USAN (KL-88) ITOLIZUMAB

PRONUNCIATION eye" toe liz' ue mab

THERAPEUTIC CLAIM Treatment of autoimmune and inflammatory diseases

CHEMICAL NAMES

Immunoglobulin G1, anti-(human antigen CD6) (human-mouse monoclonal T1h heavy chain), disulfide with human-mouse monoclonal T1h light chain, dimer (Source: CAS)

Immunoglobulin G1-kappa, anti-[*Homo sapiens* CD6 (Tp120, T12)], humanized monoclonal antibody; gamma1 heavy chain (1-449) [humanized VH (*Homo sapiens* IGHV3-21*08 (83.70%) -(IGHD)-IGHJ5*01) [8.8.12] (1-119)-*Homo sapiens* IGHG1*01 (120-449)], (222-214')-disulfide with kappa light chain (1'-214') [humanized V-KAPPA (*Homo sapiens* IGKV1-17*01 (76.80%)-IGKJ2*01 F118>L, Q120>S) [6.3.9] (1'-107')-*Homo sapiens* IGKC*01 (108'-214')]; (228-228":231-231")-bisdisulfide dimer (Source WHO pINN list 103)

STRUCTURAL FORMULA

Heavy chain

EVQLVESGGG	LVKPGGSLKL	SCAASGFKFS	RYAMSWVRQA	PGKRLEWVAT	50
ISSGGSYIYY	PDSVKGRFTI	SRDNVKNTLY	LQMSLRSED	TAMYCARRD	100
YDLDFDSWG	QGLTLTVSSA	STKGPSVFPL	APSSKSTSGG	TAALGCLVKD	150
YFPEPVTVSW	NSGALTSGVH	TFFPAVLQSSG	LYSLSSVTV	PSSSLGTQTY	200
ICNVNHNKPSN	TKVDKKVEPK	SCDKTHTCPP	CPAPELLGGP	SVFLFPPKPK	250
DTLMISRTP	VTCVVVDVSH	EDPEVKFNWY	VDGVEVHNAK	TKPREEQYNS	300
TYRIVSVLTV	LHQDWLNGKE	YKCKVSNKAL	PAPIEKTISK	AKGQPREPQV	350
YTLPPSRDEL	TKNQVSLTCL	VKGFYPSDIA	VEWESNGQPE	NNYKTTTPVL	400
DSDGSFFLYS	KLTVDKSRWQ	QGNVFSCSVM	HEALHNNHYTQ	KSLSLSPGK	449

Light chain

DIQMTQSPSS	LSASVGDRTV	ITCKASRDIR	SYLTWYQQKP	GKAPKTLIYY	50'
ATSLADGVPS	RFSGSGSGQD	YSLTISLES	DDTATYYCLQ	HGESPFTLGS	100'
GTKLEIKRTV	AAPSVFIFPP	SDEQLKSGTA	SVVCLLNNFY	PREAKVQWKV	150'
DNALQSGNSQ	ESVTEQDSKD	STYLSLSTLT	LSKADYEKHK	VYACEVTHQG	200'
LSSPVTKSFN	RGEC				214'

Disulfide bridges

22-96	22''-96''	23'-88'	23'''-88'''	134'-194'	134'''-194'''	146-202	146''-202''
222-214'	222''-214'''	228-228''	231-231''	263-323	262''-323''	369-427	369''-427''

Glycosylation sites (N)

299 299''

MOLECULAR FORMULA C₆₄₄₀H₁₀₀₂₀N₁₇₁₄O₂₀₂₃S₄₄

MOLECULAR WEIGHT 145.23 kDa

TRADEMARK None as yet

SPONSOR	Equillium Inc.
CODE DESIGNATIONS	EQ001, Bmab 600, T1h
<u>CAS</u> REGISTRY NUMBER	1116433-11-4
UNII	XQQ2RHV14N
WHO NUMBER	9321

gbk