

STATEMENT ON A NONPROPRIETARY NAME ADOPTED BY THE USAN COUNCIL

USAN (KL-130) SURZEBICLIMAB

PRONUNCIATION sur" ze bik' li mab

THERAPEUTIC CLAIM Antineoplastic

CHEMICAL NAMES

Immunoglobulin G1 [235-proline,236-alanine,237-alanine,de-239-glycine,331-alanine], anti-(human hepatitis A virus cellular receptor 2) (human-Mus musculus monoclonal BGB-A425 γ 1-chain), disulfide with human-Mus musculus monoclonal BGB-A425 κ -chain, dimer (Source : CAS)

Immunoglobulin G1-kappa, anti-[*Homo sapiens* HAVCR2 (hepatitis A virus cellular receptor 2, T-cell immunoglobulin mucin family member 3, Tim-3, TIM3, TIMD3, CD366)], monoclonal antibody; gamma1 heavy chain (1-448) [VH (*Homo sapiens* IGHV3-23*04 (93.8%) -(IGHD) -IGHJ4*01 (100%)) CDR-IMGT [8.7.13] (26-33.51-57.96-108) (1-119) -*Homo sapiens* IGHG1*01, G1m17,1, G1v4 CH2 A114 (CH1 K120 (217) (120-217), hinge 1-15 (218-232), linker (233-237), CH2 P114>A (330) (238-341), CH3 D12 (357), L14 (359) (342-446), CHS (447-448)) (120-448)], (222-218')-disulfide with kappa light chain (1'-218') [V-KAPPA (*Homo sapiens* IGKV3-15*01 (84%) -IGKJ4*01 (100%)) CDR-IMGT [10.3.9] (27-36.54-56.93-101) (1'-111') -*Homo sapiens* IGKC*01 (100%) Km3 A45.1 (157), V101 (195) (112'-218')]; dimer (228-228":231-231")-bisdisulfide, produced in Chinese hamster ovary (CHO) cells, glycoform alfa (Source : WHO pINN List 124)

STRUCTURAL FORMULA

Heavy chain X, X'

EVQLVESGGG	LVQPGGSLRL	SCAASGFTFS	RYAMSWVRQA	PGKGLEWVAA	50
ISSGGSLYYP	DSVKGRTTIS	RDNAKNTLYL	QMNSLRAEDT	AVYYCARGRE	100
ADGGYFDYWG	QGTLVTVSSA	STKGPSVFPL	APSSKSTSGG	TAALGCLVKD	150
YFPEPVTVSW	NSGALTSGVH	TFFPAVLQSSG	LYSLSSVVTV	PSSSLGTQTY	200
ICNVNHKPSN	TKVDKKVEPK	SCDKTHTCPP	CPAPPAAGPS	VFLFPPKPKD	250
TLMISRTPEV	TCVVDVDSHE	DPEVKFNWYV	DGVEVHNAKT	KPREEQYNST	300
YRVVSVLTVL	HQDWLNGKEY	KCKVSNKALA	APIEKTISKA	KGQPREPQVY	350
TLPPSRDELTL	KNQVSLTCLV	KGFYPSDIAV	EWESNGQPEN	NYKTTTPVLD	400
SDGSFFLYSK	LTVDKSRWQQ	GNVFSCSVMH	EALHNNHTQK	SLSLSPGK	447

Light chain X', X''

EIVLTQSPAT	LSVSPGERAT	LSCRASESVE	YYGTSLMQWY	QQKPGQAPRL	50'
LIYAASNVES	GIPARFSGSG	SGTEFTLTIS	SLQSEDAFVY	YCQQSLKVPL	100'
TFGGGTKVEI	KRTVAAPSVF	IFPPSDEQLK	SGTASVCLL	NNFYPREAKV	150'
QWKVDNALQS	GNSQESVTEQ	DSKDSTYSLS	STLTLSKADY	EKHKVYACEV	200'
THQGLSSPVT	KSFNRGEC				218'

Disulfide bridges

22-95	22''-95''	23'-92'	23'''-92'''	138"-198"	138'''-198'''	146"-202"	146'''-202'''
218'-222	218'''-222'''	228-228''	231-231''	262-322	262'''-322'''	368-426	368'''-426'''

Glycosylation sites (N)

298	298'
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MOLECULAR FORMULA

C₆₄₂₈H₉₉₈₆N₁₇₁₆O₂₀₀₉S₄₂ (peptide only)

MOLECULAR WEIGHT	144.8 kDa
TRADEMARK	None as yet
SPONSOR	BeiGene, Ltd.
CODE DESIGNATIONS	BGB-A425
<u>CAS</u> REGISTRY NUMBER	2342597-90-2
UNII	53YMC3A1CU
WHO NUMBER	11453

gbk