

STATEMENT ON A NONPROPRIETARY NAME ADOPTED BY THE USAN COUNCIL

USAN (EF-27) BLESELUMAB

PRONUNCIATION blee sel' ue mab

THERAPEUTIC CLAIM Preventing organ transplant rejection

CHEMICAL NAMES

1. Immunoglobulin G4, anti-(human CD40 antigen) (human monoclonal ASKP1240 heavy chain), disulfide with human monoclonal ASKP1240 light chain, dimer
2. Immunoglobulin G4-kappa, anti-[Homo sapiens CD40 (tumor necrosis factor receptor superfamily member 5, TNFRSF5)], human monoclonal antibody; gamma4 heavy chain (1-448) [Homo sapiens VH (IGHV4- 39*01 (92.90%) - (IGHD)-IGHJ5*01) [10.7.13] (1-121) - IGHG4*01 (CH1 (122-219), hinge S10>P (229) (220-231), CH2 (232-341), CH3 (342-446), CHS (447-448)) (122- 448)], (135-213')-disulfide with kappa light chain (1'-213') [Homo sapiens (V-KAPPA (IGKV1-13*02 (98.90%) - IGKJ1*01) [6.3.8] (1'-106') -IGKC*01, Km3 (107'-213'))]; dimer (227-227":230-230")-bisdisulfide

STRUCTURAL FORMULA

Heavy chain

QLQLQESGPG	LLKPSETLSL	TCTVSGGSIS	SPGYGGWIR	QPPGKLEWI	50
GSIYKSGSTY	HNP SLKSRVT	ISVDTSKNQF	SLKLSSVTAA	DTAVYYCTRP	100
VVRYFGWFDP	WQGGLVTVS	SASTKGPSVF	PLAPCSRSTS	ESTAALGCLV	150
KDYFPEPVTV	SWNSGALTS	VHTFPAVLQS	SGLYSLSSVV	TVPSSSLGTK	200
TYTCNVDHKP	SNTKVDKRVE	SKYGPPCPPC	PAPEFEGGPS	VFLFPPKPKD	250
TLMISRTPEV	TCVVVDVSQE	DPEVQFNWYV	DGVEVHNAKT	KPREEQFNST	300
YRVVSVLTVL	HQDWLNGKEY	KCKVSNKGLP	SSIEKTISKA	KGQPREPQVY	350
TLPPSQEEMT	KNQVSLTCLV	KGFYPSDIAV	EWESNGQPEN	NYKTTTPVLD	400
SDGSFFLYSR	LTVDKSRWQE	GNVFSCVMH	EALHNHYTQK	SLSLSLGK	448

Light chain

AIQLTQSPSS	LSASVGDVRT	ITCRASQGIS	SALAWYQQKP	GKAPKLLIYD	50'
ASNLESGVPS	RFSGSGSGTD	FLLTISSLQP	EDFATYYCQQ	FNSYPTFGQG	100'
TKVEIKRTVA	APSVFIFPPS	DEQLKSGTAS	VVCLLNNFYP	REAKVQWKVD	150'
NALQSGNSQE	SVTEQDSKDS	TYSLSTLTL	SKADYEKHKV	YACEVTHQGL	200'
SSPVTKSFNR	GEC				213'

Disulfide bridges

22-97	22''-97''	23'-88'	23'''-88'''	133'-193'	133'''-193'''	135-213'	135''-213'''
148-204	148''-204''	227-227''	230-230''	262-322	262''-322''	368-426	368''-426''

Glycosylation sites (N)

298	298''
-----	-------

MOLECULAR FORMULA	$C_{6412}H_{9906}O_{2018}S_{38}N_{1690}$
MOLECULAR WEIGHT	144.2 kDa
TRADEMARK	None as yet
SPONSOR	Kyowa Kirin Pharmaceutical Development Inc.
CODE DESIGNATIONS	ASKP1240
<u>CAS</u> REGISTRY NUMBER	1453067-91-8
UNII	AS3AZ5R46K
WHO NUMBER	10114

gbk