

# STATEMENT ON A NONPROPRIETARY NAME ADOPTED BY THE USAN COUNCIL

USAN (EF-56) COBOLIMAB

PRONUNCIATION koe boe' li mab

THERAPEUTIC CLAIM Treatment of cancer, checkpoint inhibitor

## CHEMICAL NAMES

1. Immunoglobulin G4, anti-hepatitis A virus cellular receptor 2 (HAVCR2) (humanized clone ABT2  $\gamma$ 4-chain), disulfide with humanized clone ABT2  $\kappa$ -chain, dimer
2. Immunoglobulin G4-kappa, anti-(human hepatitis A virus cellular receptor 2 (HAVcr-2, T-cell immunoglobulin and mucin domain-containing protein 3, T-cell membrane receptor-3)); humanized monoclonal antibody:  $\gamma$ 4 heavy chain (1-440) [humanized VH (*Homo sapiens* IGHV3-23\*01 (92%) –(IGHD)-IGHJ6\*01 (93%)) [8.8.6] (1-113) -*Homo sapiens* IGHG4\*01 {H S<sup>10</sup>>P(221)} (114-440)] (127-213')-disulfide with kappa light chain (1'-213') [humanized V-KAPPA (*Homo sapiens* IGKV1-39\*01 (91%) –IGKJ4\*01) [6.3.9] (1'-106') -*Homo sapiens* IGKC\*01 (107'-213')], dimer (219-219":222-222")-bisdisulfide

## STRUCTURAL FORMULA

### Heavy chain

EVQLESGGG	LVQPGGSLRL	SCAAASGFTF	SSYDMSWVRQ	APGKGLDWVS	50
TISGGGTYTY	YQDSVKGRFT	ISRDNSKNTL	YLQMNSLRAE	DTAVYYCASM	100
DYWGQGTIVT	VSSASTKGPS	VFPLAPCSRS	TSESTAALGC	LVKDYFPEPV	150
TVSWNSGALT	SGVHTFPAVL	QSSGLYSLSS	VVTVPSSSLG	TKTYTCNVDH	200
KPSNTKVDKR	VESKYGPSCP	PCPAPEFLGG	PSVFLFPPKP	KDTLMISRTP	250
EVTCVVVDVS	QEDPEVQFNW	YVDGVEVHNA	KTKPREEQFN	STYRVVSVLT	300
VLHQDWLNGK	EYKCKVSNKG	LPSSIEKTI	KAKGQPREPQ	VYTLPPSQEE	350
MTKNQVSLTC	LVKGFYPSDI	AVEWESNGQP	ENNYKTTTPV	LDSGGSFFLY	400
SRLTVDKSRW	QEGNVFSCSV	MHEALHNHYT	QKSLSLSLGK		440

### Light chain

DIQMTQSPSS	LSASVGRVVT	ITCRASQSIR	RYLNWYHQKP	GKAPKLLIYG	50'
ASTLQSGVPS	RFSGSGSGTD	F <sup>1</sup> LT <sup>1</sup> ISSLQP	EDFAVYYCQQ	SHSAPLTFGG	100'
GTKVEIKRTV	AAPS <sup>1</sup> VF <sup>1</sup> IFPP	SDEQLKSGTA	SVVCLLNNFY	PREAKVQWKV	150'
DNALQSGNSQ	ESVTEQDSKD	STYLSSTLT	LSKADYEKHK	VYACEVTHQG	200'
LSSPVTKSFN	RGEC				214'

### Disulfide bridges location

22-97	22"-97"	23'-88'	23"-88"	127-214"	127"-214""	134'-194'	134"-194""
140-196	140"-196"	219-219"	222-222"	254-314	254"-314"	360-418	360"-418"

### Glycosylation sites (N)

Asn-290 Asn-290"

MOLECULAR FORMULA C<sub>6318</sub>H<sub>9768</sub>N<sub>1688</sub>O<sub>2000</sub>S<sub>46</sub> (non-glycosylated)

MOLECULAR WEIGHT 142.85 kDa (non-glycosylated)

TRADEMARK	None as yet
SPONSOR	TESARO, Inc.
CODE DESIGNATIONS	TSR-022, WBP-296A
<u>CAS</u> REGISTRY NUMBER	2022215-65-0
UNII	3K5H4TX2KP
WHO NUMBER	10788

gbk