

# STATEMENT ON A NONPROPRIETARY NAME ADOPTED BY THE USAN COUNCIL

USAN (FG-215) VIBOSTOLIMAB  
 PRONUNCIATION vye" bos tol' i mab  
 THERAPEUTIC CLAIM Treatment of cancer

## CHEMICAL NAMES

1. Immunoglobulin G1, anti-(human receptor TIGIT (T-cell immunoreceptor with Ig and ITIM domains)) (human-*Mus musculus* monoclonal C011  $\gamma$ 1-chain), disulfide with human-*Mus musculus* monoclonal C011  $\kappa$ -chain, dimer
2. Immunoglobulin G1-kappa, anti-(*Homo sapiens* T-cell immunoreceptor with Ig and ITIM domains, V-set and immunoglobulin domain-containing protein 9, V-set and transmembrane domain-containing protein 3); humanized monoclonal antibody;  $\gamma$ 1 heavy chain humanized (1-449) [VH (*Homo sapiens* IGHV1-69\*08 (85%) –(IGHD)-IGHJ3\*01 (93%)) [8.8.12] (1-119) -*Homo sapiens* IGHG1\*01 (100%) (120-449)] (222-214')-disulfide with  $\kappa$  light chain humanized (1'-214') [V-KAPPA (*Homo sapiens* IGKV1-27\*01 (85%) –IGKJ5\*01 (92%))[6.3.9] (1'-107') -*Homo sapiens* IGKC\*01 (100%) (108'-214')], dimer (228-228':231-231')-bisdisulfide

## STRUCTURAL FORMULA

### Heavy chain

EVQLVQSGAE	VKKPGSSVKV	SCKASGYTFS	SYVMHWVRQA	PGQGLEWIGY	50
IDPYNDGAKY	AQKFQGRVTL	TSDKSTSTAY	MELSSLRSED	TAVYYCARGG	100
PYGWYFDVWG	QGTTVTVSSA	STKGPSVFPL	APSSKSTSGG	TAALGCLVKD	150
YFPEPVTVSW	NSGALTSGVH	TFPAVLQSSG	LYSLSSVTV	PSSSLGTQTY	200
ICNVNHKPSN	TKVDKKVEPK	SCDKTHTCPP	CPAPELLGGP	SVFLFPPKPK	250
DTLMISRTP	VTCVVDVSH	EDPEVKFNWY	VDGVEVHNAK	TKPREEQYNS	300
TYRVVSVLTV	LHQDWLNGKE	YKCKVSNKAL	PAPIEKTISK	AKGQPREPQV	350
YTLPPSRDEL	TKNQVSLTCL	VKGFYPSDIA	VEWESNGQPE	NNYKTTTPVL	400
DSDGSFFLYS	KLTVDKSRWQ	QGNVFSCSV	HEALHNHYTQ	KSLSLSPGK	449

### Light chain

DIQMTQSPSS	LSASVGDRVT	ITCRASEHIY	SYLSWYQQKP	GKVPKLLIYN	50'
AKTLAEGVPS	RFSGSGSGTD	FRTLISLQ	EDVATYYCQH	HFGSPLTFGQ	100'
GTRLEIKRTV	AAPSVFIFPP	SDEQLKSGTA	SVVCLLNNFY	PREAKVQWKV	150'
DNALQSGNSQ	ESVTEQDSKD	STYLSLSTLT	LSKADYEKHK	VYACEVTHQG	200'
LSSPVTKSFN	RGEC				214'

### Disulfide bridges location

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

### Glycosylation sites (N)

Asn-299 Asn-299"

MOLECULAR FORMULA  $C_{6466}H_{9972}N_{1712}O_{2016}S_{42}$

MOLECULAR WEIGHT 145.3 kDa

TRADEMARK None as yet

SPONSOR	Merck Sharp & Dohme Co.
CODE DESIGNATIONS	MK-7684
<u>CAS</u> REGISTRY NUMBER	2231305-30-7
UNII	5XO3JF0FEK
WHO NUMBER	11178

gbk