

STATEMENT ON A NONPROPRIETARY NAME ADOPTED BY THE USAN COUNCIL

USAN (GH-176) TISOTUMAB
 PRONUNCIATION tye sot' ue mab
 THERAPEUTIC CLAIM Treatment of cancer

CHEMICAL NAMES

1. Immunoglobulin G1, anti-(human blood-coagulation factor III) (human monoclonal HuMax-TF heavy chain), disulfide with human monoclonal HuMax-TF κ -chain, dimer
2. Immunoglobulin G1-kappa, anti-(*Homo sapiens* Tissue factor (Coagulation factor III, Thromboplastin, CD142 antigen, TF)); *Homo sapiens* monoclonal antibody; γ 1 heavy chain (1-448) [*Homo sapiens* VH (IGHV3-23*01 (94%) – (IGHD)-IGHJ5*01 (87%)) [8.8.11] (1-118) -*Homo sapiens* IGHG1*03] (119-448)], (221-214')-disulfide with κ light chain (1'-214') [*Homo sapiens* V-KAPPA (IGKV1D-16*01 (97%) –IGKJ2*01)[6.3.9] (1'-107') -*Homo sapiens* IGKC*01 (108'-214')], dimer (227-227':230-230'')-bisdisulfide

STRUCTURAL FORMULA

Heavy chain										
EVQLLES	GGG	LVQPGG	SLRL	SCAASG	FTFS	NYAMSW	RQA	PGKLEW	VSS	50
ISGSGD	YTY	TDSVKG	GRFTI	SRDNSK	NNTLY	LQMNSL	RRAED	TAVYYC	ARSP	100
WGYYLD	SWGQ	GTLVTV	VSSAS	TKGPSV	VFPLA	PSSKST	SGGT	AALGCL	VKDY	150
FPEPVT	VSWN	SGALTS	GVHT	FPAVLQ	SSGL	YSLSSV	VTV	SSSLGT	QTYI	200
CNVNHN	KPSNT	KVDKRV	VEPKS	CDKTH	TCPPC	PAPELL	GGPS	VFLFPP	KPKD	250
TLMISR	TPEV	TCVVVD	VDSHE	DPEVK	FNWYV	DGVEVH	NAKT	KPREEQ	YNST	300
YRVVSV	LVTL	HQDWLN	NGKEY	KCKVSN	KALP	APIEKT	ISKA	KGQPRE	QVY	350
TLPPSR	EEMT	KNQVSL	TCLV	KGFYPS	DIAV	EWESNG	QPEN	NYKTTP	PVLD	400
SDGSFF	LYSK	LTVDKS	SRWQQ	GNVFSC	SVMH	EALHNH	YTQK	SLSLSP	PGK	448

Light chain										
DIQMTQ	SPPS	LSASAG	DVRT	ITCRAS	QGIS	SRLAWY	QQKP	EKAPKS	LIYA	50'
ASSLQ	SGVPS	RFSGSG	SGTD	FTLTIS	SSLQP	EDFATY	YCQQ	YNSYPY	TFGQ	100'
GTKLE	IKRTV	AAPSVF	IFPP	SDEQLK	SGTA	SVVCLL	NNFY	PREAKV	QWKV	150'
DNALQ	SGNSQ	ESVTEQ	DSKD	STYLS	SSTLT	LSKADY	EKHK	VYACEV	THQG	200'
LSSPV	TKSFN	RGEC								214'

Disulfide bridges location							
22-96	22"-96"	23'-88'	23'''-88'''	134'-194'	134'''-194'''	145-201	145"-201"
214'-221	214'''-221'''	227-227"	230-230"	262-322	262"-322"	368-426	368"-426"

Glycosylation sites (N)
 Asn-298 Asn-298'

MOLECULAR FORMULA $C_{6418}H_{9906}N_{1710}O_{2022}S_{44}$ (non-glycosylated)
 MOLECULAR WEIGHT 144.8 kDa (non-glycosylated)
 TRADEMARK None as yet
 SPONSOR Seattle Genetics Inc.

CODE DESIGNATIONS	HuMax-TF
<u>CAS</u> REGISTRY NUMBER	1418628-81-5
UNII	IXO40TAF8X
WHO NUMBER	10186

gbk