

STATEMENT ON A NONPROPRIETARY NAME ADOPTED BY THE USAN COUNCIL

USAN (FG-69) TIRAGOLUMAB

PRONUNCIATION tye" ra gol' ue mab

THERAPEUTIC CLAIM Antineoplastic

CHEMICAL NAMES

1. Immunoglobulin G1, anti-(human TIGIT (T-cell-Ig and immunoreceptor tyrosine-based inhibitory motif) protein) (human MTIG7192A γ 1-chain), disulfide with human MTIG7192A κ -chain, dimer
2. immunoglobulin G1-kappa, anti-(*Homo sapiens* T-cell immunoreceptor with Ig and ITIM domains); *Homo sapiens* monoclonal antibody; γ 1 heavy chain (1-456) [*Homo sapiens* VH (IGHV6-1*01 (93%) –(IGHD)-IGHJ4*01) [10.9.16] (1-126) -*Homo sapiens* IGHG1*03 {CH1[R⁹⁷>K(223)]} (127-456)] (229-220')-disulfide with κ light chain (1'-220') [*Homo sapiens* V-KAPPA (IGKV4-1*01 (97%) –IGKJ3*01 (92%))[12.3.9] (1'-113')] -*Homo sapiens* IGKC*01 (114'-220')]; dimer (235-235":238-238")-bisdisulfide

STRUCTURAL FORMULA

Heavy chain

EVQLQQSGPG	LVKPSQTLST	TCAISGDSVS	SNSAAWNWIR	QSPSRGLEWL	50
GKTYRPFKWK	SDYAVSVKGR	ITINPDTSKN	QFSLQLNSVT	PEDTAVFYCT	100
RETTYDLLA	GFDFYWGQGT	LVTVSSASTK	GPSVFPLAPS	SKSTSGGTAA	150
LGCLVKDYFP	EPVTVSWNSG	ALTSGVHTFP	AVLQSSGLYS	LSSVVTVPSS	200
SLGTQTYICN	VNHKPSNTKV	DKKVEPKSCD	KHTTCCPPCPA	PELLGGPSVF	250
LFPPKPKDTL	MISRTPEVTC	VVVDVSHEDP	EVKFNWYVDG	VEVHNAKTKP	300
REEQYNSTYR	VVSVLTVLHQ	DWLNGKEYKC	KVSNKALPAP	IEKTISKAKG	350
QPREPQVYTL	PPSREEMTKN	QVSLTCLVKG	FYPSDIAVEW	ESNGQPENNY	400
KTTPPVLDSD	GSFFLYSKLT	VDKSRWQQGN	VFSCSVMHEA	LHNHYTQKSL	450
SLSPGK					456

Light chain

DIVMTQSPDS	LAVSLGERAT	INCKSSQTVL	YSSNNKKYLA	WYQQKPGQPP	50'
NLLIYWASTR	ESGVPDRFSG	SGSGTDFTLT	ISSLQAEDVA	VYYCQQYYST	100'
PFTFGPGTKV	EIKRTVAAPS	VFIFPPSDEQ	LKSGTASVVC	LLNNFYPREA	150'
KVQWKVDNAL	QSGNSQESVT	EQDSKDYSTYS	LSSTLTLSKA	DYKHKVYAC	200'
EVTHQGLSSP	VTKSFNRGEC				220'

Disulfide bridges location

22-99	22"-99"	23'-94'	23"-94"	140'-200'	140"-200"	153-209	153"-209"
220'-229	220"-229"	235-235"	238-238"	270-330	270"-330"	376-434	376"-434"

Glycosylation sites (N)

Asn-306 Asn-306'

MOLECULAR FORMULA C₆₆₂₀H₁₀₂₀₆N₁₇₄₂O₂₀₇₄S₄₀

MOLECULAR WEIGHT 148.7 kDa

TRADEMARK None as yet

SPONSOR	Genentech/Roche
CODE DESIGNATIONS	MTIG7192A, RO7092284
<u>CAS</u> REGISTRY NUMBER	1918185-84-8
UNII	6XG22YQM2Z
WHO NUMBER	10644

gbk