

STATEMENT ON A NONPROPRIETARY NAME ADOPTED BY THE USAN COUNCIL

USAN (FG-15) TOMARALIMAB

PRONUNCIATION toe" ma ral' i mab

THERAPEUTIC CLAIM Treatment of cancer and myelodysplastic syndrome

CHEMICAL NAMES

1. Immunoglobulin G4, anti-(human Toll-like receptor TLR-2) (human-*Mus musculus* monoclonal OPN-305 heavy chain), disulfide with human-*Mus musculus* monoclonal OPN-305 light chain, dimer
2. Immunoglobulin G4-kappa, anti-(*Homo sapiens* Toll-like receptor 2 (CD282 antigen)); humanized mouse monoclonal antibody; γ 4 heavy chain (1-445) [*Mus musculus* VH (IGHV1-85*01 (82%) –(IGHD)-IGHJ4*01 (86%)) [8.8.11] (1-118) -*Homo sapiens* IGHG4*01 {hinge[S¹⁰>P(226)]} (119-445)] (132-218')-disulfide with κ light chain (1'-218') [*Mus musculus* V-KAPPA (IGKV3-1*01 (82%) –IGKJ1*01 (92%)[10.3.9] (1'-111') -*Homo sapiens* IGKC*01 (112'-218')), dimer (224-224":227-227")-bisdisulfide

STRUCTURAL FORMULA

Heavy chain

QVQLVQSGSE	LKKPGASVKL	SKKASGFTFT	TYGINWVRQA	PGQGLEWIGW	50
IYPRDGS'NF	NENFKDRATI	TVDTSASTAY	MELSSLRSED	TAVYFCARLT	100
GGTFLDYWGQ	GTTVTVSSAS	TKGPSVFPLA	PCSRSTSEST	AALGCLVKDY	150
FPEPVTVSWN	SGALTS'GVHT	FPAVLQSSGL	YSLSSVVTVP	SSSLGTKTYT	200
CNVDHKPSNT	KVDKR'VESKY	GPPCPPCPAP	EFLGGPSVFL	FPPKPKDTLM	250
ISRTPEVTCV	VVDVSEQEDPE	VQFNWYVDGV	EVHNAKTKPR	EEQFNSTYRV	300
VSVLTVLHQD	WLN'GKEYKCK	VSNKGLPSSI	EKTISKAKGQ	PREPQVYTLF	350
PSQEQMTKNQ	VSLTCLV'KGF	YPSDIAVEWE	SNGQPENNYK	TPPVLDS'DSG	400
SFFLYSRLTV	DKSRWQEGNV	FSCSVMHEAL	HNHYTQKSLS	LSLGK	445

Light chain

DIVLTQSPAT	L'LSLSPGERAT	LSCRASESVE	YYGTS'LMQWY	QQKPGQPPKL	50'
LIFGASNVES	GVPDRFSGSG	SGTDFTLKIS	RVEAEDVGMY	FCQQSRKLPW	100'
TFGGGTKVEI	KRTVAAPSVF	IFPPSDEQLK	SGTASVVCLL	NNFYPREAKV	150'
QWKVDNALQS	GNSQESVTEQ	DSKSTYSLS	STLTLSKADY	EKHKVYACEV	200'
THQGLSSPVT	KSFNRGEC				218'

Disulfide bridges location / Position des ponts disulfure / Posiciones de los puentes disulfuro

22-96	22"-96"	23'-92'	23"'-92'"	132-218'	132"-218'"	138'-198'	138"'-198'"
145-201	145"-201"	224-224"	227-227"	259-319	259"-319"	365-423	365"-423"

Glycosylation sites (N)

Asn-295 Asn-295'

Post translation modification (Q)

pyroGlu-1 pyroGlu-1'

MOLECULAR FORMULA C₆₄₅₂H₉₉₅₈N₁₇₀₆O₂₀₂₈S₄₄ (peptide)

MOLECULAR WEIGHT 145.3 kDa (peptide)

TRADEMARK None as yet

SPONSOR	Opsona Therapeutics Ltd.
CODE DESIGNATIONS	OPN-305
<u>CAS</u> REGISTRY NUMBER	1449294-76-1
UNII	P45C2W27DU
WHO NUMBER	11044

gbk