

# STATEMENT ON A NONPROPRIETARY NAME ADOPTED BY THE USAN COUNCIL

USAN (HI-132) MAGROLIMAB

PRONUNCIATION mag roe' li mab

THERAPEUTIC CLAIM Antineoplastic

## CHEMICAL NAMES

1. Immunoglobulin G4[225-proline], anti-(human CD47 antigen) (human-*Mus musculus* monoclonal Hu5F9-G4  $\gamma$ 4-chain), disulfide with human-*Mus musculus* monoclonal Hu5F9-G4  $\kappa$ -chain, dimer
2. Immunoglobulin G4-kappa, anti-(*Homo sapiens* Leukocyte surface antigen CD47 (Integrin-associated protein, Protein MER6, CD47 antigen)); monoclonal antibody;  $\gamma$ 4 heavy chain (1-444) [VH (*Homo sapiens* IGHV1-3\*01 (88%) – (IGHD)-IGHJ4\*01) [8.8.10] (1-117) -*Homo sapiens* IGHG4\*01 {hinge[S<sup>10</sup>>P(225)]} (118-444)], (131-219')-disulfide with  $\kappa$  light chain (1'-219') [V-KAPPA (*Mus musculus* IGKV1-117\*01 (89%) –IGKJ2\*03 (92%)/*Homo sapiens* IGKV2-28\*01 (86%) –IGKJ2\*01)[11.3.9] (1'-112') -*Homo sapiens* IGKC\*01 (113'-219')], dimer (223-223":226-226")-bisdisulfide

## STRUCTURAL FORMULA

### Heavy chain

QVQLVQSGAE	VKKPGASVKV	SCKASGYTFT	NYNMHWVRQA	PGQRLEWMGT	50
IYPGNDDTSY	NQKFKDRVTI	TADTSASTAY	MELSSLRSED	TAVYYCARGG	100
YRAMDYWGQG	TLVTVSSAST	KGPSVFPLAP	CSRSTSESTA	ALGCLVKDYF	150
PEPVTVSWNS	GALTSGVHTF	PAVLQSSGLY	SLSSVVTVPS	SSLGTKTYTC	200
NVDHKPSNTK	VDKRVESKYG	PPCPPCPAPE	FLGGPSVFLF	PPKPKDTLMI	250
SRTPEVTCVV	VDVSDQEDPEV	QFNWYVDGVE	VHNAKTKPRE	EQFNSTYRVV	300
SVLTVLHQDW	LNGKEYKCKV	SNKGLPSSIE	KTISKAKGQP	REPQVYTLPP	350
SQEEMTKNQV	SLTCLVKGFY	PSDIAVEWES	NGQPENNYKT	TPPVLDSDGS	400
FFLYSRLTVD	KSRWQEGNVF	SCSVMHEALH	NHYTQKSLSL	SLGK	444

### Light chain

DIVMTQSPLS	LPVTPGEPAS	ISCRSSQSIIV	YSNGNTYLGW	YLQKPGQSPQ	50'
LLIYKVSNRF	SGVPDRFSGS	GSRTDFTLKI	SRVEAEDVGV	YYCFQGSHPV	100'
YTFGQGTKLE	IKRTVAAPSV	FIFPPSDEQL	KSGTASVCL	LNNFYYPREAK	150'
VQWKVDNALQ	SGNSQESVTE	QDSKDYSTYSL	SSTLTLSKAD	YEKHKVYACE	200'
VTHQGLSSPV	TKSFNRGEC				219'

### Disulfide bridges location

22-96	22"-96"	23'-93'	23"-93"	131-219'	131"-219"	139'-199'	139"-199"
144-200	144"-200"	223-223"	226-226"	258-318	258"-318"	364-422	364"-422"

### Glycosylation sites (N)

Asn-294 Asn-294"

MOLECULAR FORMULA C<sub>6462</sub>H<sub>9966</sub>N<sub>1718</sub>O<sub>2030</sub>S<sub>48</sub> . (non glycosylated)

MOLECULAR WEIGHT 145.94 kDa (non glycosylated)

TRADEMARK None

SPONSOR	Forty Seven Inc.
CODE DESIGNATIONS	Hu5F9-G4
<u>CAS</u> REGISTRY NUMBER	2169232-81-7
UNII	90YIEHRFJ9
WHO NUMBER	10999

gbk