

STATEMENT ON A NONPROPRIETARY NAME ADOPTED BY THE USAN COUNCIL

USAN (EF-34) OMBURTAMAB

PRONUNCIATION om burt' a mab

THERAPEUTIC CLAIM Treatment of cancer

CHEMICAL NAMES

1. Immunoglobulin G1, (anti-human CD276 (antigen)) (*Mus musculus* clone 8H9 γ 1-chain), disulfide with *Mus musculus* clone 8H9 light chain, dimer
2. Immunoglobulin G1-kappa, anti-(human CD276 antigen (4Ig-B7-H3, B7 homolog, costimulatory molecule)); mouse monoclonal antibody: γ 1 heavy chain (1-442) [mouse VH (*Mus musculus* IGHV1-85*01 (89%) –(IGHD)-IGHJ3*01) [8.8.11] (1-118) - *Mus musculus* IGHG1*02 {CH1 Q⁷⁸>E(196), CH2 K⁵⁷>Q(285), I⁶³>F(290), CH3 N³¹>D(366)} (119-442)] (220-214')-disulfide with kappa light chain (1'-214') [mouse V-KAPPA (*Mus musculus* IGKV5-39*01 –IGKJ5*01) [6.3.9] (1'-107') - *Mus musculus* IGKC*01 (108'-214')], dimer (222-222":225-225":227-227")-trisulfide

STRUCTURAL FORMULA

Heavy chain

QVQLQQSGAE	LVKPGASVKL	SCKASGYTFT	NYDINWVRQR	PEQGLEWIGW	50
IFPGDGSTQY	NEKFKGKATL	TTDTSSSTAY	MQLSRLTSED	SAVYFCARQT	100
TATWFAYWGQ	GTLVTVSAAK	TTPPSVYPLA	PGSAAQTNSM	VTLGCLVKGY	150
FPEPVTVTWN	SGSLSSGVHT	FPAVLQSDLY	TLSSSVTVPS	STWPSETVTC	200
NVAHPASSTK	VDKKIVPRDC	GCKPCICTVP	EVSSVFIFPP	KPKDVLTTITL	250
TPKVTQVVVD	ISKDDPEVQF	SWFVDDVEVH	TAQTQPREEQ	FNSTFRSVSE	300
LPIMHQDWLN	GKEFKCRVNS	AAFPAPIEKT	ISKTKGRPKA	PQVYTIPPPK	350
EQMAKDKVSL	TCMITDFFPE	DITVEWQWNG	QPAENYKNTQ	PIMDTDGSYF	400
VYSKLNQVKS	NWEAGNTFTC	SVLHEGLHNH	HTEKSLSHSP	GK	442

Light chain

DIVMTQSPAT	LSVTPGDRVS	LSCRASQSIG	DYLHWYQQKS	HESPRLLIKY	50'
ASQSIGIPS	RFSGSGSGSD	FTLSINSVEP	EDVGVYYCQN	GHSFPLTFGA	100'
GTKLELKRAD	AAPTVISIFPP	SSEQLTSGGA	SVVCFLNIFY	PKDINVKWKI	150'
DGSRQNGVL	NSWTDQDSKD	STYSMSSTLT	LTKDEYERHN	SYTCEATHKT	200'
STSPIVKSFN	RNEC				214'

Disulfide bridges

22-96	22"-96"	23'-88'	23""-88""	134'-194'	134""-194""
145-200	145"-200"	214'-220'	214""-220""	222-222"	225-225"
227-227"	256-316	256"-316"	362-420	362"-420"	

Glycosylation sites (N)

MOLECULAR FORMULA $C_{6418}H_{9840}N_{1698}O_{2016}S_{50}$

MOLECULAR WEIGHT 144.6 kDa

TRADEMARK None as yet

SPONSOR	Memorial Sloan Kettering Cancer Center
CODE DESIGNATIONS	None
<u>CAS</u> REGISTRY NUMBER	1895083-75-6
UNII	XQL6783S5T
WHO NUMBER	10803

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