

STATEMENT ON A NONPROPRIETARY NAME ADOPTED BY THE USAN COUNCIL

USAN (CD-168) TAVOLIMAB

PRONUNCIATION tav oh' li mab

THERAPEUTIC CLAIM Treatment of cancer

CHEMICAL NAMES

1. Immunoglobulin G1, anti-(human CD134 antigen) (human-Mus musculus monoclonal MEDI0562 heavy chain), disulfide with human-Mus musculus monoclonal MEDI0562 κ -chain, dimer
2. Immunoglobulin G1-kappa, anti-(human tumor necrosis factor receptor superfamily member 4 (OX40L receptor, CD134 antigen)); chimeric human mouse monoclonal antibody: γ 1 heavy chain (1-451) [human VH (*Homo sapiens* IGHV4-31*02 (80%) –(IGHD)-IGHJ4*01 (100%)) [8.7.15] (1-121) -*Homo sapiens* IGHG1*03 (122-451)] (224-214')-disulfide with kappa light chain (1'-214') [chimeric V-KAPPA (*Macaca mulatta* IGKV1-10*01 (91%) –IGKJ1*01) [6.3.9] (1'-107') -*Homo sapiens* IGKC*01 108'-214')], dimer (230-230':233-233')-bisdisulfide

STRUCTURAL FORMULA

Heavy chain

QVQLQESGPG	LVKPSQTLISL	TCAVYGGSFS	SGYWNWIRKH	PGKLEYIGY	50
ISYNGITYHN	PSLKSRLTIN	RDTSKNQYSL	QLNSVTPEDT	AVYYCARYKY	100
DYDGGHAMDY	WGQGLVTVS	SASTKGPSVF	PLAPSSKSTS	GGTAALGCLV	150
KDYFPEPVTV	SWNSGALTS	VHTFPAVLQS	SGLYSLSSVV	TVPSSSLGTQ	200
TYICNVNHKP	SNTKVDKRVE	PKSCDKTHTC	PCCPAPELLG	GPSVFLFPPK	250
PKDTLMISRT	PEVTCVVVDV	SHEDPEVKFN	WYVDGVEVHN	AKTKPREEQY	300
NSTYRVVSVL	TVLHQDWLNG	KEYKCKVSNK	ALPAPIEKTI	SKAKGQPREP	350
QVYTLPPSRE	EMTKNQVSLT	CLVKGFPYPSD	IAVEWESNGQ	PENNYKTTTP	400
VLDSGDGSFFL	YSKLTVDKSR	WQQGNVFSCS	VMHEALHNHY	TQKSLSLSPG	450
K					451

Light chain

DIQMTQSPSS	LSASVGRVTV	ITCRASQDIS	NYLNWYQQKP	GKAPKLLIYY	50'
TSKLSHSGVPS	RFSGSGSGTD	YTLTISSLQP	EDFATYYCQQ	GSALPWTFGQ	100'
GTKVEIKRTV	AAPSVFIFPP	SDEQLKSGTA	SVVCLLNNFY	PREAKVQWKV	150'
DNALQSGNSQ	ESVTEQDSKD	STYLSLSTLT	LSKADYEKHK	VYACEVTHQG	200'
LSSPVTKSFN	RGEC				214'

Disulfide bridges

22-95	22"-95"	23'-88'	23'''-88'''	134'-194'	134'''-194'''	148-204	148"-204"
214'-224	214'''-224'''	230-230"	233-233"	265-325	265'''-325'''	371-429	371"-429"

Glycosylation sites (N)

Asn-301 Asn-301"

MOLECULAR FORMULA $C_{6508}H_{10026}N_{1730}O_{2032}S_{42}$

MOLECULAR WEIGHT 146.4 kDa

TRADEMARK	None as yet
SPONSOR	MedImmune
CODE DESIGNATIONS	MEDI0562
<u>CAS</u> REGISTRY NUMBER	1635395-25-3
UNII	4LU9B48U4D
WHO NUMBER	10420

gbk