

STATEMENT ON A NONPROPRIETARY NAME ADOPTED BY THE USAN COUNCIL

USAN (CD-174) RELATLIMAB

PRONUNCIATION rel at' li mab

THERAPEUTIC CLAIM Treatment of cancer

CHEMICAL NAMES

1. Immunoglobulin G4, anti-(human lymphocyte activation gene-3 protein) (human heavy chain), disulfide with human light chain, dimer
2. Immunoglobulin G4-kappa, anti-(human lymphocyte activation gene 3 protein (LAG-3, protein FDC, CD223 antigen)); human monoclonal antibody: γ 4 heavy chain (1-446) [human VH (*Homo sapiens* IGHV4-34*01 (93%) –(IGHD)-IGHJ5*02) [8.7.14] (1-120) -*Homo sapiens* IGHG4*01{hinge S¹⁰>P(228); CH3 K¹⁰⁷>-(447)} (121-446)] (134-214')-disulfide with kappa light chain (1'-214') [human V-KAPPA (*Homo sapiens* IGKV3-11*01 (99%) –IGKJ2*01) (91%)[6.3.9] (1'-107') -*Homo sapiens* IGKC*01 (108'-214')], dimer (226-226":229-229")-bisdisulfide

STRUCTURAL FORMULA

Heavy chain

QVQLQQWGAG	LLKPSETLSL	TCAVYGGSF	DYYWNWIRQP	PGKGLEWIGE	50
INHRGSTNSN	PSLKSRVTL	LDTSKNQFSL	KLRSVTAADT	AVYYCAFGYS	100
DYEYNWFDPW	GQGTLTIVSS	ASTKGPSVFP	LAPCSRSTSE	STAALGCLVK	150
DYFPEPVTVS	WNSGALTSGV	HTFPVAVLQSS	GLYSLSSVVT	VPSSSLGTKT	200
YTCNVDHKPS	NTKVDKRVES	KYGPPCPPCP	APEFLGGPSV	FLFPPKPKDT	250
LMSRTPPEVT	CVVVDVSEQED	PEVQFNWYVD	GVEVHNAKTK	PREEQFNSTY	300
RVVSVLTVLH	QDWLNGKEYK	CKVSNKGLPS	SIEKTISKAK	GQPREPQVY	350
LPFSQEEMTK	NQVSLTCLVK	GFYPSDIAVE	WESNGQPENN	YKTPPVLD	400
DGSFFLYSRL	TVDKSRWQEG	NVFSCVMHE	ALHNHYTQKS	LSLSLG	446

Light chain

EIVLTQSPAT	LSLSPGERAT	LSCRASQSI	SYLAWYQQKP	GQAPRLLIYD	50'
ASNRATGIPA	RFSGSGSGTD	F ^T LTISSLEP	EDFAVYYCQQ	RSNWPLTFGQ	100'
GTNLEIKRTV	AAPS ^V IFPP	SDEQLKSGTA	SVVCLLN ^N FY	PREAKVQWKV	150'
DNALQSGNSQ	ESVTEQDSK	STYLSSTLT	LSKADY ^E KHK	VYACEVTHQG	200'
LSSPVTKS ^F N	RGEC				214'

Disulfide bridges

22-95	22"-95"	23'-88'	23""-88""	134'-194'	134""-194""	134-214'	134"-214""
147-203	147"-203"	226-226"	229-229"	261-321	261"-321"	367-425	367"-425"

Modified residues



Glycosylation sites (N)

Asn-297 Asn-297"

MOLECULAR FORMULA

C₆₄₇₂H₉₉₂₂N₁₇₁₀O₂₀₂₄S₃₈ (peptide)

MOLECULAR WEIGHT

145.3 kDa (peptide)

TRADEMARK	None as yet
SPONSOR	Bristol-Myers Squibb
CODE DESIGNATIONS	BMS-986016
<u>CAS</u> REGISTRY NUMBER	1673516-98-7
UNII	AF75XOF6W3
WHO NUMBER	10735

gbk