

STATEMENT ON A NONPROPRIETARY NAME ADOPTED BY THE USAN COUNCIL

USAN (KL-67) TUSAMITAMAB

PRONUNCIATION too" sa mit' a mab

THERAPEUTIC CLAIM Antineoplastic

CHEMICAL NAMES

1. Immunoglobulin G1 [de-450-lysine], anti-(human carcinoembryonic antigen) (human-Mus musculus monoclonal SAR408377 γ 1-chain), disulfide with human-Mus musculus monoclonal SAR408377 κ -chain, dimer (Source: CAS)
2. Immunoglobulin G1-kappa, anti-[*Homo sapiens* Carcinoembryonic antigen-related cell adhesion molecule 5 (Carcinoembryonic antigen, Meconium antigen 100, antigen_CD66e)] humanized mouse monoclonal antibody; γ 1 heavy chain (1-449) [VH(*Mus musculus* IGHV5-12-1*01 (87%) –(IGHD) - IGHJ3*01 (93%)/*Homo sapiens* IGHV3-23*01 (77%) IGHJ4*01 (93%)] [8.8.13] (1-120) -*Homo sapiens* IGHG1*01 {CH3[K¹⁰⁷>del(450)]} (121-449) (223-214')-disulfide with κ light chain (1'-214') [V-KAPPA (*Mus musculus* IGKV12-44*01 (87%)-IGKJ4*01/*Homo sapiens* IGKV1-39*01 (82%) -IGKJ2*02 (91%)] [6.3.9] (1'-107') *Homo sapiens* IGKC*01 (108'-214')], dimer (229-229":232-232")-bisdisulfide, produced in CHO cell, glycoform alfa

STRUCTURAL FORMULA

Heavy chains (X & X')

EVQLQESGPG	LVKPGGSLSL	SCAASGFVFS	SYDMSWVRQT	PERGLEWVAY	50
ISSGGGITYA	PSTVKGRFTV	SRDNAKNTLY	LQMNSLTSED	TAVYYCAAHY	100
FGSSGPFAYW	GQGTTLVTVSS	ASTKGPSVFP	LAPSSKSTSG	GTAALGCLVK	150
DYFPEPVTVS	WNSGALTSKV	HTFPAVLQSS	GLYSLSSVVT	VPSSSLGTQT	200
YICNVNHKPS	NTKVDKKEP	KSCDKTHTCP	PCPAPPELLGG	PSVFLFPPKPK	250
KDTLMISRTP	EVTCVVDVDS	HEDPEVKFNW	YVDGVEVHNA	KTKPREEQYN	300
STYRVVSVLT	VLHQDWLNGK	EYKCKVSNKA	LPAPIEKTIS	KAKGQPREPQ	350
VYTLPPSRDE	LTKNQVSLTC	LVKGFYPSDI	AVEWESNGQP	ENNYKTTTPPV	400
LDSGDGFFLY	SKLTVDKSRW	QQGNVFSCSV	MHEALHNHYT	QKSLSLSPG	449

Light chains (X' & X'')

DIQMTQSPAS	LSASVGDRTV	ITCRASENIF	SYLAWYQQKP	GKSPKLLVYN	50'
TRTLAEGVPS	RFSGSGSGTD	FSLTISSLQP	EDFATYYCQH	HYGTPFTFGS	100'
GTKLEIKRTV	AAPSVFIFPP	SDEQLKSGTA	SVVCLLNNFY	PREAKVQWKV	150'
DNALQSGNSQ	ESVTEQDSKD	STYLSLSTLT	LSKADYEKHK	VYACEVTHQG	200'
LSSPVTKSFN	RGEC				214'

Disulfide bridges location

22-96	22"-96"	23'-88'	23'''-88'''	134'-194'	134'''-194'''	147-203	147"-203"
214'-223	214'''-223'''	229-229"	232-232"	264-324	264'''-324'''	370-428	370"-428"

Glycosylation sites (N)

300 & 300'

MOLECULAR FORMULA C₆₄₃₂H₉₈₉₆N₁₆₉₆O₂₀₁₂S₄₂

MOLECULAR WEIGHT 144.52 kDa

TRADEMARK None as yet

SPONSOR	Sanofi
CODE DESIGNATIONS	SAR408377
<u>CAS</u> REGISTRY NUMBER	2349294-95-5
UNII	L5ZKA40LJR
WHO NUMBER	11467

gbk