

STATEMENT ON A NONPROPRIETARY NAME ADOPTED BY THE USAN COUNCIL

USAN (FG-74) SELICRELUMAB

PRONUNCIATION sel' ik rel' ue mab

THERAPEUTIC CLAIM Treatment of colorectal cancer

CHEMICAL NAMES

1. Immunoglobulin G2, anti-(human CD40 antigen receptor) (human monoclonal imAb CD40 heavy chain), disulfide with human monoclonal imAb CD40 light chain, dimer
2. Immunoglobulin G2-kappa, anti-(*Homo sapiens* Tumor necrosis factor receptor superfamily member 5 (CD40 antigen); *Homo sapiens* monoclonal antibody; γ 2 heavy chain (1-452) [*Homo sapiens* VH (IGHV1-2*02 (98%) – (IGHD)-IGHJ4*01) [8.8.19] (1-126) -*Homo sapiens* IGHG2*01 (127-452)] (140-214')-disulfide with κ light chain (1'-214') [*Homo sapiens* V-KAPPA (IGKV1-12*01 (95%) –IGKJ4*01) [6.3.9] (1'-107') -*Homo sapiens* IGKC*01 (108'-214')], dimer (228-228":229-229":232-232":235-235")-tetrakisdisulfide

STRUCTURAL FORMULA

Heavy chain

QVQLVQSGAE	VKKPGASVKV	SCKASGYTFT	GYMHVWRQA	PGQGLEWMGW	50
INPDSGGTNY	AQKFQGRVTM	TRDTSISTAY	MELNRLRSD	TAVYYCARDQ	100
PLGYCTNGVC	SYFDYWGQGT	LVTVSSASTK	GPSVFPLAPC	SRSTSESTAA	150
LGCLVKDYFP	EPVTVSWNSG	ALTSGVHTFP	AVLQSSGLYS	LSSVVTVPSS	200
NFGTQTYTCN	VDHKPSNTKV	DKTVERKCCV	ECPPCPAPPV	AGPSVFLFPP	250
KPKDTLMISR	TPEVTCVVVD	VSHEDPEVQF	NWYVDGVEVH	NAKTKPREEQ	300
FNSTFRVSV	LTVVHQDWLN	GKEYKCKVSN	KGLPAPIEKT	ISKTKGQPRE	350
PQVYTLPPSR	EMTKNQVSL	TCLVKGFPYPS	DIAVEWESNG	QPENNYKTP	400
PMLDSDGSFF	LYSKLTVDKS	RWQQGNVFSC	SVMHEALHNH	YTQKSLSLSP	450
GK					452

Light chain

DIQMTQSPSS	VSASVGRVVT	ITCRASQGIY	SWLAWYQQKP	GKAPNLLIYT	50'
ASTLQSGVPS	RFSGSGSGTD	FLLTISSLQP	EDFATYYCQQ	ANIFPLTFGG	100'
GTKVEIKRTV	AAPSVFIFPP	SDEQLKSGTA	SVCCLLNIFY	PREAKVQWKV	150'
DNALQSGNSQ	ESVTEQDSKD	STYLSSTLT	LSKADYEKHK	VYACEVTHQG	200'
LSSPVTKSFN	RGEC				214'

Disulfide bridges location

22-96	22'-96"	23'-88'	23"-88"	105-110	105"-110"	134'-194'
134"-194"	140-214'	140"-214"	153-209	153"-209"	228-228"	229-229"
232-232"	235-235"	266-326	266"-326"	372-430	372"-430"	

Glycosylation sites (N)

Asn-302 Asn-302"

MOLECULAR FORMULA $C_{6476}H_{9962}N_{1726}O_{2022}S_{58}$

MOLECULAR WEIGHT 146.2 kDa

TRADEMARK None as yet

SPONSOR	Genentech, Inc./Roche
CODE DESIGNATIONS	RG7876, CD40
<u>CAS</u> REGISTRY NUMBER	1622140-49-1
UNII	0O39RGI33V
WHO NUMBER	10523

gbk