

STATEMENT ON A NONPROPRIETARY NAME ADOPTED BY THE USAN COUNCIL

USAN (EF-57) ROSMANTUZUMAB

PRONUNCIATION ros" man tooz' ue mab

THERAPEUTIC CLAIM Treatment of cancer

CHEMICAL NAMES

1. Immunoglobulin G1, anti-(human roof plate-specific spondin R-spondin-3) (human-*Mus musculus* monoclonal OMP-131R10 heavy chain), disulfide with human-*Mus musculus* monoclonal OMP-131R10 κ -chain, dimer
2. Immunoglobulin G1-kappa, anti-(human R-spondin-3 (protein with TSP type-1 repeat, hPWTS, roof plate-specific spondin-3, thrombospondin type-1 domain containing protein 2)); humanized monoclonal antibody: γ 1 heavy chain (1-447) [humanized VH (*Homo sapiens* IGHV1-46*01 (85%) –(IGHD)-IGHJ4*01 (86%)) [8.8.10.] (1-117) -*Homo sapiens* IGHG1*03 (118-447)] (220-218')-disulfide with kappa light chain (1'-218') [humanized V-KAPPA (*Homo sapiens* IGKV1-39*01 (84%) –IGKJ2*01) (82%) [6.3.9] (1'-111') -*Homo sapiens* IGKC*01 (112'-218')], dimer (226-226":229-229")-bisdisulfide

STRUCTURAL FORMULA

Heavy chain

QVQLVQSGAE	VKKPGASVKV	SCKASGYTFT	DYSIHWRQA	PGQGLEWIGY	50
IYPSNGDSGY	NQKFKNRVTM	TRDTSTSTAY	MELSLRSED	TAVYYCATYF	100
ANNFDYWGQG	TTLTIVSSAST	KGPSVFPLAP	SSKSTSGGTA	ALGCLVKDYF	150
PEPVTVSWNS	GALTSGVHTF	PAVLQSSGLY	SLSSVVTVPS	SSLGTQTYIC	200
NVNHKPSNTK	VDKRVEPKSC	DKTHTCPPCP	APELLGGPSV	FLFPPKPKDT	250
LMISRTPEVT	CVVVDVSHED	PEVKFNWYVD	GVEVHNAKTK	PREEQYNSTY	300
RVVSVLTVLH	QDWLNGKEYK	CKVSNKALPA	PIEKTISKAK	GQPREPQVYT	350
LPPSREEMTK	NQVSLTCLVK	GFYPSDIAVE	WESNGQPENN	YKTTTPVLDS	400
DGSFFLYSKL	TVDKSRWQQG	NVDFCSVMHE	ALHNHYTQKS	LSLSPGK	447

Light chain

DIQMTQSPSS	LSASVGRVVT	ITCKASQSVD	YDGSYMNWY	QQKPGKAPKL	50'
LIYAASNLES	GVPSRFSGSG	SGTDFTLTIS	PVQAEDFATY	YCQQSNEDPL	100'
TFGAGTKLEL	KRTVAAPSVF	IFPPSDEQLK	SGTASVCLL	NNFYPREAKV	150'
QWKVDNALQS	GNSQESVTEQ	DSKDSTYSLS	STLTLSKADY	EKHKVYACEV	200'
THQGLSSPVT	KSFNRGEC				218'

Disulfide bridges

22-96	22"-96"	23'-92'	2"-92"	138'-198'	138"-198"	144-200	144"-200"
218'-220	218"-220"	226-226"	229-229"	261-321	261"-321"	367-425	367"-425"

Glycosylation sites (N)

Asn-297 Asn-297"

MOLECULAR FORMULA $C_{6456}H_{9954}N_{1714}O_{2048}S_{46}$

MOLECULAR WEIGHT 145.8 kDa

TRADEMARK None as yet

SPONSOR OncoMed Pharmaceuticals

CODE DESIGNATIONS	OMP-131R10
<u>CAS</u> REGISTRY NUMBER	1684393-04-1
UNII	VD026R6TCI
WHO NUMBER	10415

gbk