

STATEMENT ON A NONPROPRIETARY NAME ADOPTED BY THE USAN COUNCIL

USAN (DE-168) VONLEROLIZUMAB

PRONUNCIATION von ler" oh liz' ue mab

THERAPEUTIC CLAIM Treatment of cancer

CHEMICAL NAMES

1. Immunoglobulin G1, anti-(human CD134 antigen) (human-*Mus musculus* monoclonal MOXR0916 heavy chain), disulfide with human-*Mus musculus* monoclonal MOXR0916 light chain, dimer
2. Immunoglobulin G1-kappa, anti-(human tumor necrosis factor receptor superfamily member 4 (ACT35 antigen, OX40L receptor, CD134 antigen)); humanized mouse monoclonal antibody:  $\gamma$ 1 heavy chain (1-447) [humanized mouse VH (*Homo sapiens* IGHV1-46\*01 (81%) –(IGHD)-IGHJ6\*01 (92%)) [8.8.10] (1-117) -*Homo sapiens* IGHG1\*03 {CH1 R<sup>97</sup>>K(214)} (118-447)] (220-214')-disulfide with kappa light chain (1'-214') [humanized mouse V-KAPPA (*Homo sapiens* IGKV1-39\*01 (90%) –IGKJ1\*01) [6.3.9] (1'-107') -*Homo sapiens* IGKC\*01 (108'-214')] dimer (226-226":229-229")-bisdisulfide

STRUCTURAL FORMULA

Heavy chain

EVQLVQSGAE	VKKPGASVKV	SCKASGYTFT	DSYMSWVRQA	PGQGLEWIGD	50
MYPDNGDSSY	NQKFRERVTI	TRDTSTSTAY	LELSSLRSED	TAVYYCVLAP	100
RWYFSVWGQG	TLVTVSSAST	KGPSVFPLAP	SSKSTSGGTA	ALGCLVKDYF	150
PEPVTVSWNS	GALTSGVHTF	PAVLQSSGLY	SLSSVVTVPS	SSLGTQTYIC	200
NVNHKPSNTK	VDKKVEPKSC	DKTHTCPPCP	APELLGGPSV	FLFPPKPKDT	250
LMISRTPEVT	CVVVDVSHED	PEVKFNWYVD	GVEVHNAKTK	PREEQYNSTY	300
RVVSVLTVLH	QDWLNGKEYK	CKVSNKALPA	PIEKTISKAK	GQPREPQVYV	350
LPPSREEMTK	NQVSLTCLVK	GFYPSDIAVE	WESNGQPENN	YKTTTPVLDS	400
DGSFFLYSKL	TVDKSRWQQG	NVFSCVMHE	ALHNHYTQKS	LSLSPGK	447

Light chain

DIQMTQSPSS	LSASVGRVVT	ITCRASQDIS	NYLNWYQQKP	GKAPKLLIYY	50'
TSRLRSGVPS	RFSGSGSGTD	F <sup>T</sup> LT <sup>I</sup> SS <sup>L</sup> QP	EDFATYYCQQ	GH <sup>T</sup> LP <sup>P</sup> TF <sup>G</sup> Q	100'
GTKVEIKRTV	AAPS <sup>V</sup> IF <sup>P</sup> FP	SDEQLKSGTA	SVVCLLN <sup>N</sup> F <sup>Y</sup>	PREAKVQ <sup>W</sup> K <sup>V</sup>	150'
DNALQSGNSQ	ESVTEQDSKD	STYLS <sup>S</sup> TL <sup>T</sup>	LSKADY <sup>E</sup> K <sup>H</sup> K	VYACEV <sup>T</sup> H <sup>Q</sup> G	200'
LSSPVT <sup>K</sup> S <sup>F</sup> N	RGEC				214'

Disulfide bridges location

22-96	22"-96"	23'-88'	23'''-88'''	134'-194'	134'''-194'''	144-200	144"-200"
214'-220	214'''-220'''	226-226"	229-229"	261-321	261"-321"	367-425	367"-425"

Glycosylation sites (N)

Asn-297 Asn-297"

MOLECULAR FORMULA C<sub>6444</sub>H<sub>9976</sub>N<sub>1716</sub>O<sub>2024</sub>S<sub>44</sub>

MOLECULAR WEIGHT 145.3 kDa

TRADEMARK None as yet

SPONSOR Genentech/Roche

CODE DESIGNATIONS MOXR0916, RO7021608

CAS REGISTRY NUMBER 1638935-72-4

UNII C78148TF1D

WHO NUMBER 10272

gbk