

STATEMENT ON A NONPROPRIETARY NAME ADOPTED BY THE USAN COUNCIL

USAN (EF-39) OTILIMAB

PRONUNCIATION oh til' i mab

THERAPEUTIC CLAIM Treatment of osteoarthritis and rheumatoid arthritis

CHEMICAL NAMES

1. Immunoglobulin G1, anti-(human granulocyte-macrophage colony-stimulating factor) (human monoclonal GSK3196165 heavy chain), disulfide with human monoclonal GSK3196165 λ -chain, dimer
2. Immunoglobulin G1-lambda, anti-(human granulocyte-macrophage colony-stimulating factor (GM-CSF, CSF)); human monoclonal antibody; γ 1 heavy chain (1-447) [human VH (*Homo sapiens* IGHV3-NL1*01 (88%) –(IGHD)-IGHJ1*01) [8.10.8] (1-117) -*Homo sapiens* IGHG1*03 (118-447)] (220-209')-disulfide with lambda light chain (1'-210') [human V-LAMBDA (*Homo sapiens* IGLV3-1*01 (88%) –IGLJ3*02) [6.1.9] (1'-104') -*Homo sapiens* IGLC2*01 (105'-210')] dimer (226-226":229-229")-bisdisulfide

STRUCTURAL FORMULA

Heavy chain

QVQLVESGGG	LVQPGGSLRL	SCAASGFTFS	SYWMNWRQA	PGKGLEWVSG	50
IENKYAGGAT	YYAASVKGRF	TISRDNKNT	LYLQMNSLRA	EDTAVYYCAR	100
GFGTDFWQQG	TLVTVSSAST	KGPSVFPLAP	SSKSTSGGTA	ALGCLVKDYF	150
PEPVTVSWNS	GALTSGVHTF	PAVLQSSGLY	SLSSVVTVPS	SSLGTQTYIC	200
NVNHKPSNTK	VDKRVEPKSC	DKHTCPCPCP	APELLGGPSV	FLFPPKPKDT	250
LMISRTPEVT	CVVVDVSHED	PEVKFNWYVD	GVEVHNAKTK	PREEQYNSTY	300
RVVSVLTVLH	QDWLNGKEYK	CKVSNKALPA	PIEKTISKAK	GQPREPQVYT	350
LPPSREEMTK	NQVSLTCLVK	GFYPSDIAVE	WESNGQPENN	YKTTTPVLDS	400
DGSFFLYSKL	TVDKSRWQQG	NVFSCSVMHE	ALHNHYTQKS	LSLSPGK	447

Light chain

DIELTQPPSV	SVAPGQTARI	SCSGDSIGKK	YAYWYQKPG	QAPVLVIYKK	50'
RPSGIPERFS	GSNSGNTATL	TISGTQAEDE	ADYYCSAWGD	KGMVFGGGTK	100'
LTVLGQPKAA	PSVTLFPPSS	EELQANKATL	VCLISDFYPG	AVTVAWKADS	150'
SPVKAGVETT	TPSKQSNKY	AASSYLSLTP	EQWKSHRYS	CQVTHEGSTV	200'
EKTVPTECS					210'

Disulfide bridges

22'-85'	22"-85"	22-98	22"-98"	132'-191'	132"-191"	144-200	144"-200"
209'-220	209"-220"	226-226"	229-229"	261-321	261"-321"	367-425	367"-425"

Glycosylation sites (N)

Asn-297 Asn-297"

MOLECULAR FORMULA $C_{6322}H_{9768}N_{1684}O_{1966}S_{44}$ (non-glycosylated)

MOLECULAR WEIGHT 142.23 kDa (non-glycosylated)

TRADEMARK None as yet

SPONSOR	GlaxoSmithKline
CODE DESIGNATIONS	GSK3196165, MOR103
<u>CAS</u> REGISTRY NUMBER	1638332-55-4
UNII	Y8127R3VCH
WHO NUMBER	10783

gbk