

STATEMENT ON A NONPROPRIETARY NAME ADOPTED BY THE USAN COUNCIL

USAN (ZZ-55) ANIFROLUMAB

PRONUNCIATION an" i froI' ue mab

THERAPEUTIC CLAIM Treatment of systemic lupus erythematosus (SLE)

CHEMICAL NAMES

1. Immunoglobulin G1, anti-(human interferon α/β receptor) (human monoclonal MEDI-546 heavy chain), disulfide with human monoclonal MEDI-546 κ -chain, dimer
2. Immunoglobulin G1, anti-(human type 1 interferon receptor); human monoclonal MEDI-546 γ 1 heavy chain (220-215')-disulfide with human monoclonal MEDI-546 κ light chain dimer (226-226":229-229")-bisdisulfide, glycosylated (MEDI-546 is expressed in NSO cells)

STRUCTURAL FORMULA

Heavy chain

EVQLVQSGAE	VKKPGESLKI	SCKGSGYIFT	NYWIAWVRQM	PGKGLSMGI	50
IYPGDSDIRY	SPSFQGQVTI	SADKSITTA	LQWSSLKASD	TAMYICARHD	100
IEGFDYWGRG	TLVTVSSAST	KGPSVFPLAP	SSKSTSGGTA	ALGCLVKDYF	150
PEPVTVSWNS	GALTSGVHTF	PAVLQSSGLY	SLSSVVTVPS	SSLGTQTYIC	200
NVNHKPSNTK	VDKRVEPKSC	DKTHTCPPCP	APEFEGGPSV	FLFPPKPKDT	250
LMISRTPEVT	CVVVDVSHED	PEVKFNWYVD	GVEVHNAKTK	PREEQYNSTY	300
RVVSVLTVLH	QDWLNGKEYK	CKVSNKALPA	SIEKTISKAK	GQPREPQVY	350
LPPSREEMTK	NQVSLTCLVK	GFYPSDIAVE	WESNGQPENN	YKTTTPVLDS	400
DGSFFLYSKL	TVDKSRWQQG	NVFSQVMHE	ALHNHYTQKS	LSLSPGK	447

Light chain

EIVLTQSPGT	LSLSPGERAT	LSCRASQSVS	SSFFAWYQQK	PGQAPRLLIY	50'
GASSRATGIP	DRLSGSGSGT	DFTLTITRLE	PEDFAVYQCQ	QYDSSAITFG	100'
QGTRLEIKRT	VAAPSVFIFP	PSDEQLKSGT	ASVVCLLNNF	YPREAKVQWK	150'
VDNALQSGNS	QESVTEQDSK	DSTYLSSTL	TLSKADYEKH	KVYACEVTHQ	200'
GLSSPVTKSF	NRGEC				215'

Disulfide bridges

22-96	22"-96"	23'-89'	23'''-89'''	135'-195'	135'''-195'''	144-200	144"-200"
215-220	215'''-220'''	226-226"	229-229"	261-321	261"-321"	367-425	367"-425"

Glycosylation sites (N)

Asn-297 Asn-297"

MOLECULAR FORMULA $C_{6444}H_{9964}N_{1712}O_{2018}S_{44}$

MOLECULAR WEIGHT 145.12 kDa

TRADEMARK None

SPONSOR MedImmune

CODE DESIGNATIONS MEDI-546

CAS REGISTRY NUMBER 1326232-46-5

WHO NUMBER 9800

gbk