

STATEMENT ON A NONPROPRIETARY NAME ADOPTED BY THE USAN COUNCIL

USAN (FG-81) DEZAMIZUMAB

PRONUNCIATION dez" a miz' ue mab

THERAPEUTIC CLAIM Treatment of systemic amyloidosis

CHEMICAL NAMES

1. Immunoglobulin G1, anti-(serum amyloid P protein) (human-Mus musculus monoclonal GSK2398852 heavy chain), disulfide with human-Mus musculus monoclonal GSK2398852 light chain, dimer
2. Immunoglobulin G1-kappa, anti-(*Homo sapiens* Serum amyloid P-component (SAP)); humanized monoclonal antibody; γ 1 heavy chain (1-452) [humanized VH (*Homo sapiens* IGHV1-69*08 (86%) –(IGHD)-IGHJ5*01 (93%)) [8.8.15] (1-122) -*Homo sapiens* IGHG1*01 (123-452)] (225-214')-disulfide with κ light chain (1'-214') [humanized V-KAPPA (*Homo sapiens* IGKV1-39*01 (85%) – IGKJ2*01)[6.3.9] (1'-107') -*Homo sapiens* IGKC*01 (108'-214')], dimer (231-231":234-234")-bisdisulfide

STRUCTURAL FORMULA

Heavy chain

QVQLVQSGAE	VKKPGSSVKV	SCKASGFTFA	TYNMHWVRQA	PGQGLEWMGY	50
IYPGDGNANY	NQQFKGRVTI	TADKSTSTAY	MELSSLRSED	TAVYYCARGD	100
FDYDGGYYFD	SWGQGLVTV	SSASTKGPSV	FPLAPSSKST	SGGTAALGCL	150
VKDYFPEPVT	VSWNSGALTS	GVHTFPAVLQ	SSGLYSLSSV	VTVPSSSLGT	200
QTYICNVNHK	PSNTKVDKKV	EPKSCDKTHT	CPPCPAPELL	GGPSVFLFPP	250
KPKDTLMISR	TPEVTCVVVD	VSHEDPEVKF	NWYVDGVEVH	NAKTKPREEQ	300
YNSTYRVVSV	LTVLHQDWLN	GKEYKCKVSN	KALPAPIEKT	ISKAKGQPRE	350
PQVYTLPPSR	DELTKNQVSL	TCLVKGFPYPS	DIAVEWESNG	QPENNYKTP	400
PVLDSGGSFF	LYSKLTVDKS	RWQQGNVFSK	SVMHEALHNS	YTQKSLSLSP	450
GK					452

Light chain

DIQMTQSPSS	LSASVGRVTV	ITCRASENIY	SYLAWYQQKP	GKAPKLLIHN	50'
AKTLAEGVPS	RFSGSGSGTD	FRTLTISLQP	EDFATYYCQH	HYGAPLTFGQ	100'
GTKLEIKRTV	AAPSVFIFPP	SDEQLKSGTA	SVCCLNNFY	PREAKVQWKV	150'
DNALQSGNSQ	ESVTEQDSK	STYLSSTLT	LSKADYEKHK	VYACEVTHQG	200'
LSSPVTKSFN	RGEC				214'

Disulfide bridges

22-96	22"-96"	23'-88'	23'''-88'''	134'-194'	134'''-194'''	149-205	149"-205"
214'-225	214'''-225'''	231-231"	234-234"	266-326	266'''-326'''	372-430	372"-430"

Glycosylation sites (N)

302 302"

MOLECULAR FORMULA $C_{6480}H_{9972}N_{1720}O_{2028}S_{44}$

MOLECULAR WEIGHT 145.8 kDa

TRADEMARK None as yet

SPONSOR	GlaxoSmithKline
CODE DESIGNATIONS	GSK2398852, anti-SAP mAb
<u>CAS</u> REGISTRY NUMBER	1662664-56-3
UNII	6U3F28IT58
WHO NUMBER	10364

gbk