

STATEMENT ON A NONPROPRIETARY NAME ADOPTED BY THE USAN COUNCIL

USAN (ZZ-134) PERAKIZUMAB

PRONUNCIATION per" a kiz' ue mab

THERAPEUTIC CLAIM Treatment of arthritis

CHEMICAL NAME

1. Immunoglobulin G1, anti-(human interleukin-17A (cytotoxic T-lymphocyte-associated antigen 8)); humanized mouse monoclonal des-452-L-lysine(CH₃¹⁰⁷-K>-)-[239-L-alanine,240-L-alanine(CH₂⁴-L>A,CH₂⁵-L>A)] γ 1 heavy chain (225-215')-disulfide with humanized mouse monoclonal κ light chain dimer (231-231':234-234'')-bisdisulfide

STRUCTURAL FORMULA

Heavy chain

EVQLVESGGG	LVQPGGSLRL	SCAASGFTFS	DYTMLWVRQA	PGKGLEWVAI	50
IKSGGSYSYY	PDSVKGRTTI	SRDNAKNSLY	LQMNSLRAED	TAVYYCARDG	100
DYGSSYGAMD	YWQQGTLVTV	SSASTKGPSV	FPLAPSSKST	SGGTAALGCL	150
VKDYFPEPVT	VSWNSGALTS	GVHTFPAVLQ	SSGLYSLSSV	VTVPSSSLGT	200
QTYICNVNHK	PSNTKVDKVV	EPKSCDKTHT	CPPCPAPEEA	GGPSVFLFPP	250
KPKDTLMISR	TPEVTCVVVD	VSHEDPEVKF	NWYVDGVEVH	NAKTKPREEQ	300
YNSTYRVVSV	LTVLHQDWLN	GKEYKCKVSN	KALPAPIEKT	ISKAKGQPRE	350
PQVYTLPPSR	DELTKNQVSL	TCLVKGFYPS	DIAVEWESNG	QPENNYKTP	400
PVLDSGGSFF	LYSKLTVDKS	RWQQGNVFSC	SVMHEALHNH	YTQKSLSLSP	450
GK					452

Light chain

DIQMTQSPSS	LSASVGDRVT	ITCRASQDIN	SYLSWFQQKP	GKAPKSLIVR	50'
ANRLVDGVPS	RFSGSGSGQD	YSLTISSLQP	EDFATYYCLQ	YDAFPPYTFG	100'
QGTLKLEIKRT	VAAPSVFIFP	PSDEQLKSGT	ASVVCLLNMF	YPREAKVQWK	150'
VDNALQSGNS	QESVTEQDSK	DSTYLSSTL	TLSKADYEKH	KVYACEVTHQ	200'
GLSSPVTKSF	NRGEC				215'

Disulfide bridges

22-96	22"-96"	23'-88'	23'''-88'''	135'-195'	135'''-195'''	149-205	149"-205"
215'-225'	215'''-225'''	231-231"	234-234"	266-326	266"-326"	372-430	372"-430"

Glycosylation sites (N)

Asn-302 Asn-302"

MOLECULAR FORMULA C₆₄₅₄H₉₉₆₄N₁₇₁₈O₂₀₃₀S₄₄

MOLECULAR WEIGHT 145.4 kDa (peptide)

TRADEMARK None as yet

SPONSOR Genentech/Roche

CODE DESIGNATIONS RG4934, RO5310074

CAS REGISTRY NUMBER 1331830-76-2

WHO NUMBER 9648

gbk