

# STATEMENT ON A NONPROPRIETARY NAME ADOPTED BY THE USAN COUNCIL

USAN (DE-114) MIRIKIZUMAB

PRONUNCIATION mir' i kiz' ue mab

THERAPEUTIC CLAIM Treatment of autoimmune diseases

## CHEMICAL NAMES

1. Immunoglobulin G4, anti-(human interleukin 23 p19 subunit) (human monoclonal LY3074828  $\gamma$ 4-chain), disulfide with human monoclonal LY3074828  $\kappa$ -chain, dimer
2. Immunoglobulin G4-kappa, anti-(human interleukin-23 subunit alpha (IL-23-A, interleukin-23 subunit p19, IL-23p19)); humanized mouse monoclonal antibody:  $\gamma$ 4 heavy chain (1-441) [humanized VH (*Homo sapiens* IGHV1-2\*02 (83%) – (IGHD)-IGHJ6\*01 (92%)) [8.8.8] (1-115) -*Homo sapiens* IGHG4\*01{H S<sup>10</sup>>P(223)}{CH2 F<sup>4</sup>>A(229), L<sup>5</sup>>A(230)}{CH3 K<sup>107</sup>>del} (116-441)] (129-214')-disulfide with  $\kappa$  light chain (1'-214') [humanized V-KAPPA (*Homo sapiens* IGKV1-39\*01 (85%) –IGKJ4\*01) (92%) [6.3.9] (1'-107') -*Homo sapiens* IGKC\*01 (108'-214')]; dimer (221-221":224-224")-bisdisulfide

## STRUCTURAL FORMULA

### Heavy chain

QQLVQSGAE	VKKPGSSVKV	SCKASGYKFT	RYVMHWVRQA	PGQGLEWMGY	50
INPYNDGTNY	NEKFKGRVTI	TADKSTSTAY	MELSSLRSED	TAVYYCARNW	100
DTGLWGQGT	VTVSSASTKG	PSVFLAPCS	RSTSESTAAL	GCLVKDYFPE	150
PVTVSWNSGA	LTSGVHTFPA	VLQSSGLYSL	SSVVTVPSSS	LGTKYTYTCNV	200
DHKPSNTKVD	KRVESKYGPP	CPPCPAPEAA	GGPSVFLFPP	KPKDTLMISR	250
TPEVTCVVVD	VSQEDPEVQF	NWYVDGVEVH	NAKTKPREEQ	FNSTYRVVSV	300
LTVLHQDWLN	GKEYKCKVSN	KGLPSSIEKT	ISKAKQPRE	PQVYTLPPSQ	350
EEMTKNQVSL	TCLVKGFPYS	DIAVEWESNG	QPENNYKTP	PVLDSDGSFF	400
LYSRLTVDKS	RWQEGNVFSC	SVMHEALHNS	YTQKSLSLSL	G	441

### Light chain

DIQMTQSPSS	LSASVGRVVT	ITCKASDHIL	KFLTWYQQK	GKAPKLLIYG	50'
ATSLETGVPS	RFSGSGSGTD	FSLTISLQ	EDFATYYCQM	YWSTPFTFGG	100'
GTKVEIKRTV	AAPSVFIFPP	SDEQLKSGTA	SVVCLLNIFY	PREAKVQWKV	150'
DNALQSGNSQ	ESVTEQDSKD	STYLSSTLT	LSKADYEKHK	VYACEVTHQG	200'
LSSPVTKSFN	RGEC				214'

### Disulfide bridges location / Position des ponts disulfure / Posiciones de los puentes disulfuro

22-96	22"-96"	23'-88'	23"-88"	129-214'	129"-214"	134'-194'	134"-194"
142-198	142"-198"	221-221"	224-224"	256-316	256"-316"	362-420	362"-420"

### Glycosylation sites (N)

Asn-292 Asn-292"

MOLECULAR FORMULA C<sub>6380</sub>H<sub>9842</sub>N<sub>1686</sub>O<sub>2004</sub>S<sub>48</sub> (non-glycosylated)

MOLECULAR WEIGHT 143.8 kDa (non-glycosylated)

TRADEMARK None as yet

SPONSOR	Eli Lilly and Co.
CODE DESIGNATIONS	LY3074828
<u>CAS</u> REGISTRY NUMBER	1884201-71-1
UNII	Z7HVVY03PHP
WHO NUMBER	10657

gbk