

November 28, 2012

## STATEMENT ON A NONPROPRIETARY NAME ADOPTED BY THE USAN COUNCIL

USAN (ZZ-118) GUSELKUMAB

PRONUNCIATION gus elk' ue mab

THERAPEUTIC CLAIM Treatment of inflammatory diseases, psoriasis

## CHEMICAL NAMES

1. Immunoglobulin G1, anti-(human interleukin 23) (human CNTO 1959 heavy chain), disulfide with human CNTO 1959  $\lambda$ -chain, dimer
2. Immunoglobulin G1, anti-(human interleukin 23); human monoclonal CNTO 1959 des-447-lysine- $\gamma$ 1 heavy chain (220-216')-disulfide with human monoclonal CNTO 1959 [1'-pyroglutamic acid] $\lambda$  light chain dimer (226-226":229-229")-bisdisulfide

## STRUCTURAL FORMULA

## Heavy chain

EVQLVQSGAE	VKKPGESLKI	SCKGSGYSFS	NYWIGWVRQM	PGKGLEWMGI	50
IDPSNSYTRY	SPSFQGVTTI	SADKSLSTAY	LQWSSLKASD	TAMYICARWY	100
YKPFDFVWGQG	TLVTVSSAST	KGPSVFPLAP	SSKSTSGGTA	ALGCLVKDYF	150
PEPVTVSWNS	GALTSGVHTF	PAVLQSSGLY	SLSSVVTVPS	SSLGTQTYIC	200
NVNHKPSNTK	VDKKVEPKSC	DKTHTCPPCP	APELLGGPSV	FLFPPKPKDT	250
LMISRTPEVT	CVVVDVSHED	PEVKFNWYVD	GVEVHNAKTK	PREEQYNSTY	300
RVVSVLTVLH	QDWLNGKEYK	CKVSNKALPA	PIEKTISKAK	GQPREPQVYT	350
LPPSRDELTK	NQVSLTCLVK	GFYPSDIAVE	WESNGQPENN	YKTTTPVLDS	400
DGSFFLYSKL	TVDKSRWQQG	NVFSCSVMHE	ALHNHYTQKS	LSSLSPG	446

## Light chain

QSVLTQPPSV	SGAPGQRVTI	SCTGSSSNIG	SGYDVHWYQQ	LPGTAPKLLI	50'
YGNPKRPSGV	PDRFSGSKSG	TSASLAITGL	QSEDEADYYC	ASWTDGLSLV	100'
VFGGGTKLTV	LGQPKAAPSV	TLFPPSSEEL	QANKATLVCL	ISDFYPGAVT	150'
VAWKADSSPV	KAGVETTPPS	KQSNNKYAAS	SYLSLTPEQW	KSHRSYSCQV	200'
THEGSTVEKT	VAPTECS				217'

## Disulfide bridges

22-96	22'-90'	22"-96"	22'''-90'''	139'-198'	139'''-198'''	144-200	144"-200"
216'-220	216'''-220'''	226-226"	229-229"	261-321	261"-321"	367-425	367"-425"

## Modified residue



## Glycosylation site (N)

Asn-297 Asn-297''

## MOLECULAR FORMULA

 $C_{6402}H_{9864}N_{1676}O_{1994}S_{42}$ 

## MOLECULAR WEIGHT

143.6 kDa (peptide)

GUSELKUMAB

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TRADEMARK

None as yet

N12

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SPONSOR

Janssen Global Services, LLC /Johnson &  
Johnson

CODE DESIGNATIONS

CNTO 1959

CAS REGISTRY NUMBER

1350289-85-8

WHO NUMBER

9774

gbk