

STATEMENT ON A NONPROPRIETARY NAME ADOPTED BY THE USAN COUNCIL

USAN (FG-218)	NIPOCALIMAB
PRONUNCIATION	nip" oh kal' i mab
THERAPEUTIC CLAIM	Treatment of diseases mediated by pathogenic IgG autoantibodies and alloantibodies

CHEMICAL NAMES

1. Immunoglobulin G1, anti-(human neonatal Fc receptor) (human monoclonal M281 γ -1 chain), disulfide with human monoclonal M281 λ -chain, dimer
2. Immunoglobulin G1-lambda, anti-(*Homo sapiens* IgG receptor FcRn large subunit p51 (IgG Fc fragment receptor transporter alpha chain, Neonatal Fc receptor, FcRn)); Human monoclonal antibody; γ 1 heavy chain (1-445) [*Homo sapiens* VH (IGHV3-23*01 (91%) –(IGHD)-IGHJ3*01) [8.8.9] (1-116) -*Homo sapiens* IGHG1*03 {CH1[R⁹⁷>K(213)], CH2[N⁶⁷>A(296)], CH3[K¹⁰⁷>del(446)]} (117-445)] (219-215')-disulfide with λ light chain (1'-216') [*Homo sapiens* V-LAMBDA (IGLV2-23*01 (95%) –IGLJ1*01)[9.3.10] (1'-110') -*Homo sapiens* IGLC3*03 (111'-216')], dimer (225-225':228-228'')-bisdisulfide

STRUCTURAL FORMULA

Heavy chain					
EVQLLESGGG	LVQPGGSLRL	SCAASGFTFS	TYAMGWVRQA	PGKGLEWVSS	50
IGASGSQTRY	ADSVKGRFTI	SRDNSKNTLY	LQMNSLRAED	TAVYYCARLA	100
IGDSYWGQGT	MVTVSSASTK	GPSVFPLAPS	SKSTSGGTAA	LGCLVKDYFP	150
EPVTVSWNSG	ALTSGVHTFP	AVLQSSGLYS	LSSVVTVPSS	SLGTQTYICN	200
VNHKPSNTKV	DKKVEPKSCD	KTHTCPPCPA	PELLGGPSVF	LFPPKPKDTL	250
MISRTPEVTC	VVVDVSHEDP	EVKFNWYVDG	VEVHNAKTKP	REEQYASTYR	300
VVSVLTVLHQ	DWLNGKEYKC	KVSNKALPAP	IEKTIISKAKG	QPREPQVYTL	350
PPSREEMTKN	QVSLTCLVKG	FYPSDIAVEW	ESNGQPENNY	KTTPPVLDSD	400
GSFFLYSKLT	VDKSRWQQGN	VFSCSVMHEA	LHNHYTQKSL	SLSPG	445

Light chain					
QSALTQPASV	SGSPGQSITI	SCTGTGSDVG	SYNLVSWYQQ	HPGKAPKLM	50'
YGDSEKPSGV	SNRFGSKSG	NTASLTISGL	QAEDEADYIC	SSYAGSGIYV	100'
FGTGKTVTVL	GQPKAAPSVT	LFPPSSEELQ	ANKATLVCLI	SDFYPGAVTV	150'
AWKADSSPVK	AGVETTTPSK	QSNNKYAASS	YLSLTPEQWK	SHKSYSCQVT	200'
HEGSTVEKTV	APTECS				216'

Disulfide bridges location						
22'-90'	22"-90"	22-96	22"-96"	138'-197'	138"-197"	143-199
215'-219	215"-219"	225-225"	228-228"	260-320	260"-320"	366-424
						143"-199"
						366"-424"

Glycosylation sites (N)

MOLECULAR FORMULA $C_{6266}H_{9722}N_{1670}O_{1992}S_{46}$

MOLECULAR WEIGHT 141.8 kDa

TRADEMARK None as yet

SPONSOR	Momenta Pharmaceuticals
CODE DESIGNATIONS	M281
<u>CAS</u> REGISTRY NUMBER	2211985-36-1
UNII	87M90CV8NC
WHO NUMBER	11215

gbk