STATEMENT ON A NONPROPRIETARY NAME ADOPTED BY THE USAN COUNCIL

USAN (LM-234)	LIVMONIPLIMAB
PRONUNCIATION	liv” moe nip’ li mab
THERAPEUTIC CLAIM	Antineoplastic

CHEMICAL NAMES

Immunoglobulin G4 [234-proline], anti-(human protein GARP-transforming growth factor β1 complex) (human monoclonal ABBV-151 γ4-chain), disulfide with human monoclonal ABBV-151 κ-chain, dimer (SciFinder)

Immunoglobulin G4-kappa, anti-[*Homo sapiens* LRRC32 (leucine rich repeat containing 32, transforming growth factor beta activator LRRC32, glycoprotein A repetitions predominant, GARP) / *Homo sapiens* TGFB1 (transforming growth factor beta1, TGF beta) complex], chimeric and humanized monoclonal antibody; gamma4 heavy chain chimeric (1-452) [VH Vicpac/Homsap (*Vicugna pacos* IGHV1-1*01 (87.8%) - (IGHD) -IGHJ3*01 (100%)/*Homo sapiens* IGHV1-46*01 (85.7%) -(IGHD) -IGHJ4*01 (85.7%), CDR-IMGT [8.8.19] (26-33.51-58.97-115)) (1-126)-*Homo sapiens* IGHG4*01, G4v5 h P10 (CH1 (127-224), hinge 1-12 S10>P (234) (225-236), CH2 (237-346), CH3 (347-451), CHS K2>del (452)) (127-452)], (140-214')-disulfide with kappa light chain humanized (1'-214') [V-KAPPA (*Homo sapiens* IGKV1-39*01 (85.3%) -IGKJ1*01 (100%), CDRIMGT [6.3.9] (27-32.50-52.89-97)) (1'-107') -*Homo sapiens* IGKC*01 (100%), Km3 A45.1 (153), V101 (191) (108'-214')]; dimer (232-232":235-235")-bisdisulfide, produced in Chinese hamster ovary (CHO) cells, glycoform alfa (INN)

STRUCTURAL FORMULA

Heavy chain X, X’’

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QVQLVQPGAE  VRKPGASVKV   SCKASGYRFT   SYYIDWVRQA   PGQGLEWMGR     50
IDPEDAGTKY  AQKFQGRVTM   TADTSTSTVY   VELSSLRSED   TAVYYCARYE    100
WETVVVGDLM  YEYEYWGQGT   LVTVSSASTK   GPSVFPLAPC   SRSTSESTAA    150
LGCLVKDYFP  EPVTVSWNSG   ALTSGVHTFP   AVLQSSGLYS   LSSVVTVPSS    200
SLGTKTYTCN  VDHKPSNTKV   DKRVESKYGP   PCPPCPAPEF   LGGPSVFLFP    250
PKPKDTLMIS  RTPEVTCVVV   DVSQEDPEVQ   FNWYVDGVEV   HNAKTKPREE    300
QFNSTYRVVS  VLTVLHQDWL   NGKEYKCKVS   NKGLPSSIEK   TISKAKGQPR    350
EPQVYTLPPS  QEEMTKNQVS   LTCLVKGFYP   SDIAVEWESN   GQPENNYKTT    400
PPVLDSDGSF  FLYSRLTVDK   SRWQEGNVFS   CSVMHEALHN   HYTQKSLSLS    450
LG                                                              500
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Light chain X’, X’’’

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DIQMTQSPSS  LSASVGDRVT   ITCQASQSIS   SYLAWYQQKP   GQAPKILIYG     50
ASRLKTGVPS  RFSGSGSGTS   FTLTISSLEP   EDAATYYCQQ   YASVPVTFGQ    100
GTKVEIKRTV  AAPSVFIFPP   SDEQLKSGTA   SVVCLLNNFY   PREAKVQWKV    150
DNALQSGNSQ  ESVTEQDSKD   STYSLSSTLT   LSKADYEKHK   VYACEVTHQG    200
LSSPVTKSFN  RGEC                                                250
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Disulfide bridges location

Intra-H 22-96 153-209 267-327 373-431
22”-96” 153”-209” 267”-327” 373”-431”
Intra-L 23'-88' 134'-194'
23'"-88'" 134'"-194'"
Inter-H-L 140-214' 140"-214'"
Inter-H-H 232-232'' 235-235"

N-glycosylation sites

303, 303"

MOLECULAR FORMULA	$C_{6486}H_{10050}O_{2048}N_{1708}S_{46}$
MOLECULAR WEIGHT	146 kDa
TRADEMARK	None as yet
SPONSOR	Abbvie Inc.
CODE DESIGNATIONS	ABBV-151, ARGX-115, PR-1762844
CAS REGISTRY NUMBER	2412004-88-5
UNII	42SH7JCD82
WHO NUMBER	11741

gbk