

STATEMENT ON A NONPROPRIETARY NAME ADOPTED BY THE USAN COUNCIL

USAN (DE-67) GILVETMAB

PRONUNCIATION gil vet' mab

THERAPEUTIC CLAIM Antineoplastic, immunomodulatory, immunotherapy (veterinary)

CHEMICAL NAME

Immunoglobulin GB, anti-(*Canis familiaris* programmed cell death protein 1)(*Canis familiaris-Mus musculus* monoclonal heavy chain), disulfide with *Canis familiaris-Mus musculus* light chain, dimer

STRUCTURAL FORMULA

Heavy chain

EVQLVQSGGD	LVKPGGSVRL	SCVASGFNIK	NTYMHWVRQA	PGKGLQWIGR	50
IAPANVDTKY	APKFQ GKATI	SADTAKNTAY	MQLNSLRAED	TAVYYCVLIY	100
YDYDGDIDVW	GQGTLVTVSS	ASTTAPSVFP	LAPSCGSTSG	STVALACLVS	150
GYFPEPVTVS	WNSGSLTSGV	HTFPSVLQSS	GLYSLSSMVT	VPSSRWPSET	200
FTCNVAHPAS	KTKVDKPVPK	RENGRVPRPP	DCPKCPAPEM	LGGPSVFI FP	250
PKPKDTLLIA	RTPEVTCVVV	ALDPEDPEVQ	ISWFVDGKQM	QTAKTQPREE	300
QFAGTYRVVS	VLPIGHQDWL	KGKQFTCKVN	NKALPSP IER	TISKARGQAH	350
QPSVYVLPSS	REELSKNTVS	LTCLIKDFFP	PDIDVEWQSN	GQQEPESESKYR	400
TTPPQLDEDG	SYFLYSKLSV	DKSRWQRGDT	FICAVMHEAL	HNHYTQESLS	450
HSPGK					455

Light chain

DIVMTQTPLS	LSVSLGEPAS	ISCHASQNIN	VWLSWYRQKP	GQIPQLLIYK	50'
ASHLHTGVDP	RFSGSGSGTD	FTLRISRVEA	DDAGVYYCQQ	GQSWPLTFGQ	100'
GTKVEIKRND	AQPAVYLFQP	SPDQLHTGSA	SVVCLLNSFY	PKDINVKWKV	150'
DGVIQDTGIQ	ESVTEQDSKD	STYSLSSSTLT	MSSTEYLSHE	LYSCEITHKS	200'
LPSTLIKSFQ	RSECQRVD				218'

Disulfide bridges

22-96	22''-96	23'-88'	23'''-88'''	134'-194'	134'''-194'''
135-214'	135''-214'''	147-203	147''-203''	232-232''	235-235''
267-327	267''-327''	373-433	373''-433''		

Glycosylation sites

None

MOLECULAR FORMULA $C_{6578}H_{10212}N_{1766}O_{2023}S_{48}$

MOLECULAR WEIGHT 147.9 kDa

TRADEMARK None as yet

SPONSOR Merck Sharp & Dohme Corp.

CODE DESIGNATIONS	PD1
<u>CAS</u> REGISTRY NUMBER	1808081-43-7
UNII	949NG8376D
WHO NUMBER	10528

gbk