

January 27, 2016

STATEMENT ON A NONPROPRIETARY NAME ADOPTED BY THE USAN COUNCIL

USAN (CD-163) UTOMILUMAB

PRONUNCIATION ue" toe mil' ue mab

THERAPEUTIC CLAIM Antineoplastic

CHEMICAL NAMES

1. Immunoglobulin G2, anti-(human receptor 4-1BB) (human monoclonal PF-05082566 heavy chain), disulfide with human monoclonal PF-05082566 light chain, dimer

STRUCTURAL FORMULA

Heavy chain

EVQLVQSGAE	VKKPGESLRI	SCKGSGYSFS	TYWISWVRQM	PGKGLEWMGK	50
IYPGDSYTNV	SPSFQGVQTI	SADKSIISTAY	LQWSSLKASD	TAMYVCARGY	100
GIFDYWGQGT	LVTVSSASTK	GPSVFPLAPC	SRSTSESTAA	LGCLVKDYFP	150
EPVTVSWNSG	ALTSGVHTFP	AVLQSSGLYS	LSSVVTVPSS	NFGTQTYTCN	200
VDHKPSNTKV	DKTVERKCCV	ECPPCPAPPV	AGPSVFLFPP	KPKDTLMISR	250
TPEVTCVVVD	VSHEDPEVQF	NWYVDGVEVH	NAKTKPREEQ	FNSTFRVVSV	300
LTVVHQDWLN	GKEYKCKVSN	KGLPAIEKT	ISKTKGQPRE	PQVYTLPPSR	350
EEMTKNQVSL	TCLVKGFYPS	DIAVEWESNG	QPENNYKTP	PMLDSDGSFF	400
LYSKLTVDKS	RWQQGNVFSC	SVMHEALHNN	YTQKLSLSLSP	G	441

Light chain

SYELTQPPSV	SVSPGQTASI	TCSGDNIGDQ	YAHWYQQKPG	QSPVLVIYQD	50'
KNRPSGIPER	FSGNSNGNTA	TLTISGTQAM	DEADYYCATY	TGFGSLAVFG	100'
GGTKLTVLGG	PKAAPSVTLF	PPSSEELQAN	KATLVCLISD	FYPGAVTVAV	150'
KADSSPVKAG	VETTTPSKQS	NNKYAASSYL	SLTPEQWKSH	RSYSCQVTHE	200'
GSTVEKTVAP	TECS				214'

Disulfide bridges

Domain	Intrachain		Interchain	
	H	L	H-H	H-L
V _H /V _L	22-96	22'-87'		
C _{H1} /C _L	143-199	136'-195'		
C _{H2}	256-316			
C _{H3}	362-420			
IgG2A Isoform			218-218, 219-219, 222-222, 225-225	130-213' (2)
IgG2A/B Isoform			218-130, 219-219, 222-222, 225-225	218-213', 130-213'
IgG2B Isoform			219-130 (2), 222-222, 225-225	218-213' (2)

Glycosylation sites

Asn59 Asn292

MOLECULAR FORMULA	$C_{6444}H_{9876}N_{1664}O_{2068}S_{52}$
MOLECULAR WEIGHT	145.4 kDa (peptide only)
TRADEMARK	None as yet
SPONSOR	Pfizer Inc.
CODE DESIGNATIONS	PF-05082566
<u>CAS</u> REGISTRY NUMBER	1417318-27-4
UNII	6YY8O697VF
WHO NUMBER	10385

gbk