

STATEMENT ON A NONPROPRIETARY NAME ADOPTED BY THE USAN COUNCIL

USAN (JK-92) MIRZOTAMAB
 PRONUNCIATION mir zoe' ta mab
 THERAPEUTIC CLAIM Treatment of cancer

CHEMICAL NAMES

1. Immunoglobulin G1 [234-alanine,235-alanine], anti-(human B7 homolog 3 protein) (human monoclonal PR-1651850 γ 1-chain), disulfide with human monoclonal PR-1651850 κ -chain, dimer (Source: CAS)
2. immunoglobulin G1-kappa, anti-[*Homo sapiens* CD276 antigen (4Ig-B7-H3, B7 homolog 3, Costimulatory molecule)], monoclonal antibody; γ 1 heavy chain chimeric(1-446) [VH (*Mus musculus* IGHV3-1*02 (87%) –(IGHD)-IGHJ2*01 (87%)/*Homo sapiens* IGHV4-38-2*01 (84%) –(IGHD)-IGHJ4*01 (87%)) [9.7.9] (1-116) -*Homo sapiens* IGHG1*03 {CH1[R⁹⁷>K(213)],CH3[E¹⁶>D(155),M¹⁸>L(157)]} (117-446)] (219-214')-disulfide with κ light chain humanized(1'-214') [V-KAPPA (*Homo sapiens* IGKV1-39*01 (82%) –IGKJ2*02) [6.3.9] (1'-107') -*Homo sapiens* IGKC*01 (108'-214')], dimer (225-225':228-228'')-bisdisulfide, produced in CHO cells, glycoform alfa (Source: USAN Program chemical consultant)

STRUCTURAL FORMULA

Heavy chain X & X''

EVQLQESGPG	LVKPSETLSL	TCAVTGYSIT	SGYSWHWIRQ	FPGNGLEWMG	50
YIHSSGSTNY	NPSLKSRI SI	SRDTSKNQFF	LKLSVTAAD	TAVYYCAGYD	100
DYFEYWQGGT	TVTVSSASTK	GPSVFPLAPS	SKSTSGGTAA	LGCLVKDYFP	150
EPVTVSWNSG	ALTSGVHTFP	AVLQSSGLYS	LSSVVTVPSS	SLGTQTYICN	200
VNHKPSNTKV	DKKVEPKSCD	KTHTCPPCPA	PEAAGGPSVF	LFPPKPKDTL	250
MISRTPEVTC	VVVDVSHEDP	EVKFNWYVDG	VEVHNAKTKP	REEQYNSTYR	300
VVSVLTVLHQ	DWLNGKEYKC	KVSNKALPAP	IEKTISKAKG	QPREPQVYTL	350
PPSREEMTKN	QVSLTCLVKG	FYPSDIAVEW	ESNGQPENNY	KTTTPVLDS	400
GSFFLYSKLT	VDKSRWQQGN	VFSCVMHEA	LHNHYTQKSL	SLSPGK	446

Light chain X' & X'''

DIQMTQSPSS	LSASVGDVRT	ITCKASQNVG	FNVAWYQQKP	GKSPKALIYS	50'
ASYRYSQVPS	RFSGSGGSTD	FRTLTISSLQP	EDFAEYFCQQ	YNWYPFTFGQ	100'
GTKLEIKRTV	AAPSVFIFPP	SDEQLKSGTA	SVVCLLNNFY	PREAKVQWKV	150'
DNALQSGNSQ	ESVTEQDSKD	STYSLSSTLT	LSKADYKHK	VYACEVTHQG	200'
LSSPVTKSFN	RGEC				214'

Disulfide bridges

22-96	22''-96''	23'-88'	23'''-88'''	134'-194'	134'''-194'''	143-199	143''-199''
214'-219	214'''-219'''	225-225''	228-228'''	260-320	260'''-320'''	366-424	366''-424''

Glycosylation sites (N)

Asn-296	Asn-296''
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MOLECULAR FORMULA C₆₄₅₄H₉₈₇₄N₁₆₉₄O₂₀₂₀S₄₂

MOLECULAR WEIGHT 144.86 kDa

TRADEMARK	None as yet
SPONSOR	AbbVie
CODE DESIGNATIONS	ABBV-155
<u>CAS</u> REGISTRY NUMBER	2229859-11-2
UNII	4L7K3H1YON
WHO NUMBER	11146

gbk