

STATEMENT ON A NONPROPRIETARY NAME ADOPTED BY THE USAN COUNCIL

USAN (EF-55) DOSTARLIMAB

PRONUNCIATION dos tar' li mab

THERAPEUTIC CLAIM Treatment of cancer

CHEMICAL NAMES

1. Immunoglobulin G4, anti-programmed cell death protein 1 (PDCD1) (humanized clone ABT1 γ 4-chain), disulfide with humanized clone ABT1 κ -chain, dimer
2. immunoglobulin G4-kappa, anti-(*Homo sapiens* programmed cell death protein 1 (protein PD-1, CD279 antigen)); humanized monoclonal antibody: γ 4 heavy chain (1-443) [humanized VH (*Homo sapiens* IGHV3-23*01 (94%) – (IGHD)-IGHJ4*01 (92%)) [8.8.9] (1-116) -*Homo sapiens* IGHG4*01 {Hinge S¹⁰>P(224)} (117-443)] (130-214')-disulfide with kappa light chain (1'-214') [humanized V-KAPPA (*Homo sapiens* IGKV1-9*01 (85%) –IGKJ2*02) [6.3.9] (1'-107') -*Homo sapiens* IGKC*01 (108'-214')], dimer (222-222':225-225')-bisdisulfide

STRUCTURAL FORMULA

Heavy chain

EVQLLESGGG	LVQPGGSLRL	SCAASGFTFS	SYDMSWVRQA	PGKGLEWVST	50
ISGGGSYTTY	QDSVKGRFTI	SRDNSKNTLY	LQMNSLRAED	TAVYYCASPY	100
YAMDYWGQGT	TVTIVSSASTK	GPSVFPLAPC	SRSTSESTAA	LGCLVKDYFP	150
EPVTVSWNSG	ALTSGVHTFP	AVLQSSGLYS	LSSVVTVPSS	SLGTKTYTCN	200
VDHKPSNTKV	DKRVEVKYGP	PCPPCPAPEF	LGGPSVFLFP	PKPKDTLMIS	250
RTPEVTCVVV	DVSQEDPEVQ	FNWYVDGVEV	HNAKTKPREE	QFNSTYRVVS	300
VLTVLHQDWL	NGKEYKCKVS	NKGLPSSIEK	TISKAKGQPR	EPQVYTLPPS	350
QEEMTKNQVS	LTCLVKGFYP	SDIAVEWESN	GQPENNYKTT	PPVLDSDGSF	400
FLYSRLTVDK	SRWQEGNVFS	CSVMHEALHN	HYTKQSLSL	LGK	443

Light chain

DIQLTQSPSF	LSAYVGDVRT	ITCKASQDVG	TAVAWYQQKP	GKAPKLLIYW	50'
ASTLHTGVPS	RFSGSGSGTE	FTLTISSLQP	EDFATYYCQH	YSSYPWTFGQ	100'
GTKLEIKRTV	AAPSVFIFPP	SDEQLKSGTA	SVVCLLNNFY	PREAKVQWKV	150'
DNALQSGNSQ	ESVTEQDSKD	STYLSLSTLT	LSKADYEKHK	VYACEVTHQG	200'
LSSPVTKSFN	RGEC				214'

Disulfide bridges

22-96	22"-96"	23'-88'	23'''-88'''	130-214'	130"-214"	134'-194'	134'''-194'''
143-199	143"-199"	222-222"	225-225"	257-317	257"-317"	363-421	363'''-421'''

Glycosylation sites (N)

Asn-293 Asn-293"

MOLECULAR FORMULA C₆₄₂₀H₉₈₃₂N₁₆₈₀O₂₀₁₄S₄₄ (non-glycosylated)

MOLECULAR WEIGHT 144.2 kDa (non-glycosylated)

TRADEMARK None as yet

SPONSOR	TESARO
CODE DESIGNATIONS	TSR-042, WBP-285
<u>CAS</u> REGISTRY NUMBER	2022215-59-2
UNII	P0GVQ9A4S5
WHO NUMBER	10787

gbk