

May 28, 2014

## STATEMENT ON A NONPROPRIETARY NAME ADOPTED BY THE USAN COUNCIL

USAN (AB-135) DURVALUMAB  
 PRONUNCIATION dur val' ue mab  
 THERAPEUTIC CLAIM Treatment of cancer

## CHEMICAL NAMES

1. Immunoglobulin G1, anti-(human CD antigen CD274) (human monoclonal MEDI4736 heavy chain), disulfide with human monoclonal MEDI4736  $\kappa$ -chain, dimer
2. Immunoglobulin G1-kappa, anti-(human programmed cell death 1 ligand 1 (B7 homolog 1, CD274)); human monoclonal antibody;  $\gamma$ 1 heavy chain (1-451) [human VH (IGHV3-7\*01 (99%) –IGHJ4\*01) [8.8.14] (1-121) –IGHG1\*03 (CH1 (122-219), hinge (220-234), CH2 L<sup>4</sup>>F<sup>(238)</sup>, L<sup>5</sup>>E<sup>(239)</sup>, P<sup>101</sup>>S<sup>(335)</sup> (235-344), CH3 (345-451)) (122-451)] (224-215')]-disulfide with  $\kappa$  light chain (1'-215') [human V-KAPPA (IGKV3-20\*01 (97%) –IGKJ1\*01) [7.3.9] (1'-108') –IGKC\*01(109'-215')] dimer (230-230":233-233")]-bisdisulfide

## STRUCTURAL FORMULA

## Heavy chain

EVQLVESGGG	LVQPPGSLRL	SCAASGFTFS	RYWMSWVRQA	PGKGLEWVAN	50
IKQDGSSEKYY	VDSVKGRFTI	SRDNAKNSLY	LQMNSLRAED	TAVYYCAREG	100
GWFGELAFDY	WGQGLTLVTVS	SASTKGPSVF	PLAPSSKSTS	GGTAALGCLV	150
KDYFPEPVTV	SWNSGALTSG	VHTFPAVLQS	SGLYSLSSVV	TVPSSSLGTQ	200
TYICNVNHKP	SNTKVKDRVE	PKSCDKTHTC	PPCPAPEFEG	GPSVFLFPPK	250
PKDTLMISRT	PEVTCVVVDV	SHEDPEVKFN	WYVDGVEVHN	AKTKPREEQY	300
NSTYRVVSVL	TVLHQDWLNG	KEYCKVSNK	ALPASIEKTI	SKAKGQPREP	350
QVYTLPPSRE	EMTKNQVSLT	CLVKGFPYSD	IAVEWESNGQ	PENNYKTPPP	400
VLDSGGSFLL	YSKLTVDKSR	WQQGNVFSCS	VMHEALHNHY	TQKSLSLSPG	450
K					451

## Light chain

EIVLTQSPGT	LSLSPGERAT	LSCRASQVRS	SSYLAWYQQK	PGQAPRLLIY	50'
DASSRATGIP	DRFSGSGSGT	DFTLTISRLE	PEDFAVYYCQ	QYGSLPWTFG	100'
QGTKVEIKRT	VAAPSVFIFP	PSDEQLKSGT	ASVCLLNNF	YPREAKVQWK	150'
VDNALQSGNS	QESVTEQDSK	DSTYLSSTL	TLSKADYEKH	KVYACEVTHQ	200'
GLSSPVTKSF	NRGEC				215'

## Disulfide bridges

22-96	22"-96"	23'-89'	23"-89"	135'-195'	135"-195"	148-204	148"-204"
215'-224	215"-224"	230-230"	233-233"	265-325	265"-325"	371-429	371"-429"

## Glycosylation sites (N)

Asn-301 Asn-301"

## MOLECULAR FORMULA

C<sub>6502</sub>H<sub>10018</sub>N<sub>1742</sub>O<sub>2024</sub>S<sub>42</sub> (peptide)

## MOLECULAR WEIGHT

146.3 kDa (nonglycosylated)

DURVALUMAB

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N14

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TRADEMARK

None as yet

SPONSOR

MedImmune

CODE DESIGNATIONS

MEDI4736

CAS REGISTRY NUMBER

1428935-60-7

UNII

28X28X9OKV

WHO NUMBER

10010

gbk