

November 27, 2013

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

USAN (AB-115) DIRIDAVUMAB

PRONUNCIATION dir" i dav' ue mab

THERAPEUTIC CLAIM Treatment of influenza A infection

## CHEMICAL NAME

1. Immunoglobulin G1-lambda, anti-[hemagglutinins from various strains of influenza A virus], *Homo sapiens* monoclonal antibody; gamma1 heavy chain (1-450) [*Homo sapiens* VH (IGHV1-69\*12 (84.7%) –IGHJ1\*01) [8.8.14] (1-121) –IGHG1\*03, des-CH3K<sup>107</sup> (122-450)], (224-216')-disulfide with lambda light chain (1'-217') [*Homo sapiens* V-LAMBDA (IGLV1-51\*01 (92.9%) –IGLJ2\*01) [8.3.12] (1'-111') –IGLC2\*01 (112'-217')]; (230-230":233-233")-bisdisulfide dimer

## STRUCTURAL FORMULA

## Heavy chain

EVQLVESGAE	VKKPGSSVKV	SCKASGGPFR	SYAISWVRQA	PGQGPEWMGG	50
IIPVIFGTTKY	APKFQGRVTI	TADDFAGTVY	MELSSLRSED	TAMYCAKHM	100
GYQVRETM DV	WGKGTTVTVS	SASTKGPSVF	PLAPSSKSTS	GGTAALGCLV	150
KDYFPEPVTV	SWNSGALTSG	VHTFPAVLQS	SGLYSLSVV	TVPSSSLGTQ	200
TYICNVNHKP	SNTKVKRVE	PKSCDKTHTC	PPCPAPELLG	GPSVFLFPPK	250
PKDTLMISRT	PEVTCVVVDV	SHEDPEVKFN	WYVDGVEVHN	AKTKPREEQY	300
NSTYRVVSVL	TVLHQDWLNG	KEYKCKVSNK	ALPAPIEKTI	SKAKGQPREP	350
QVYTLPPSRE	EMTKNQVSLT	CLVKGFYPSD	IAVEWESNGQ	PENNYKTPPP	400
VLDSGDGFFL	YSKLTVDKSR	WQQGNVFSCS	VMHEALHNHY	TQKSLSLSPG	450

## Light chain

QSVLTQPPSV	SAAPGQKVTI	SCSGSSSNIG	NDYVSWYQQL	PGTAPKLLIY	50'
DNNKRPSGIP	DRFSGSKSGT	SATLGITGLQ	TGDEANYCA	TWDRRPTAYV	100'
VFGGGTKLTV	LGQPKAAPSV	TLFPPSSEEL	QANKATLVCL	ISDFYPGAVT	150'
VAWKADSSPV	KAGVETTPPS	KQSNNKYAAS	SYLSLTPEQW	KSHRSYSCQV	200'
THEGSTVEKT	VAPTECS				217'

## Disulfide bridges

22-96	22'-89'	22"-96"	22"-89"	139'-198'	139"-198"	148-204	139"-204"
216'-224	216"-224"	230-230"	233-233"	265-325	265"-325"	371-429	371"-429"

## Glycosylation sites (N)

Asn-301 Asn-301"

MOLECULAR FORMULA  $C_{6400}H_{9934}N_{1702}O_{1996}S_{48}$ 

MOLECULAR WEIGHT 144.2 kDa

TRADEMARK None as yet

SPONSOR Janssen Pharmaceutical Companies of Johnson &amp; Johnson

DIRIDAVUMAB

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CODE DESIGNATIONS

CR6261

CAS REGISTRY NUMBER

1393659-46-5

WHO NUMBER

9922

gbk