

June 29, 2016

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

USAN (CD-161)	SUVRATOXUMAB
PRONUNCIATION	soo" vra tox' ue mab
THERAPEUTIC CLAIM	Prevention of nosocomial pneumonia caused by <i>Staphylococcus aureus</i>

## CHEMICAL NAMES

1. Immunoglobulin G1, anti-(*Staphylococcus aureus*  $\alpha$ -toxin) (human monoclonal MEDI4893 heavy chain), disulfide with human monoclonal MEDI4893  $\kappa$ -chain, dimer

## STRUCTURAL FORMULA

## Heavy chain

EVQLVESGGG	LVQPGGSLRL	SCAASGFTFS	SHDMHWVRQA	TGKGLEWVSG	50
IGTAGDYYP	DSVKGRFTIS	RENAKNSLYL	QMNSLRAGDT	AVYYCARDRY	100
SPTGHHYGMD	VWGQGT'VTVV	SSASTKGPSV	FPLAPSSKST	SGGTAALGCL	150
VKDYFPEPVT	VSWNSGALTS	GVHTFPAVLQ	SSGLYSLSSV	VTVPSSSLGT	200
QTYICNVNHNK	PSNTKVDKRV	EPKSCDKTHT	CPPCPAPELL	GGPSVFLFPP	250
KPKDTLYITR	EPEVTCVVVD	VSHEDPEVKF	NWYVDGVEVH	NAKTKPREEQ	300
YNSTYRVVSV	LTVLHQDWLN	GKEYKCKVSN	KALPAPIEKT	ISKAKGQPRE	350
PQVYTLPPSR	EEMTKNQVSL	TCLVKGFYPS	DIAVEWESNG	QPENNYK'TTP	400
PVLDSDSGSSF	LYSKLTVDKS	RWQQGNVFSC	SVMHEALHNS	YTQKSLSLSP	450
GK					452

## Light chain

DIQMTQSPST	LSASVGRDRT	ITCRASQSSIS	SWLAWYQQKP	GKAPKLLIYK	50'
ASSLESQVPS	RFSGSGSGTE	F'LTLSISLQP	DDFATYYCKQ	YADYWTFGQG	100'
TKVEIKRTVA	APSVFIFPPS	DEQLKSGTAS	VVCLLNNFYP	REAKVQWKVD	150'
NALQSGNSQE	SVTEQDSKDS	TYSLSSTLTL	SKADYEKHKV	YACEVTHQGL	200'
SSPVTKSFNR	GEC				263'

## Disulfide bridges

**Please Supply Disulfide Bridges**

## Glycosylation sites (N)

Asn-302 Asn-302''

MOLECULAR FORMULA  $C_{6556}H_{10114}N_{1730}O_{2100}S_{44}$ 

MOLECULAR WEIGHT 148 kDa

TRADEMARK None as yet

SPONSOR MedImmune

CODE DESIGNATIONS	MEDI4893
<u>CAS</u> REGISTRY NUMBER	1629620-18-3
UNII	4L1997J4DF
WHO NUMBER	10441

gbk