

# STATEMENT ON A NONPROPRIETARY NAME ADOPTED BY THE USAN COUNCIL

USAN (EF-80)

GREMUBAMAB

PRONUNCIATION

grem ue' ba mab

THERAPEUTIC CLAIM

Treatment of nosocomial pneumonia caused by *Pseudomonas aeruginosa*

## CHEMICAL NAMES

1. Immunoglobulin G1, anti-(*Pseudomonas aeruginosa* surface exopolysaccharide Psl/type III secretion protein PcrV) (human monoclonal MEDI3902 heavy chain), disulfide with human monoclonal MEDI3902 κ-chain, dimer

## STRUCTURAL FORMULA

### Heavy chain

EVQLLESGGG	LVQPGGSLRL	SCAASGFTFS	SYAMNWRQA	PGKLEWVSA	50
ITMSGITAYY	TDDVKGRFTI	SRDNSKNTLY	LQMNSLRAED	TAVYYCAKEE	100
FLPGTHYYYG	MDVWGQGTTV	TVSSASTKGP	SVFPLAPSSK	STSGGTAALG	150
CLVKDYFPEP	VTVSWNSGAL	TSGVHTFPAV	LQSSGLYSL	SVVTVPSSSL	200
GTQTYICNVN	HKPSNTKVDK	RVEPKSCGGG	GSGGGGQQVQ	LQESGPGLVK	250
PSETLSLTCT	VSGGSI SPYY	WTWIRQPPGK	CLELIGYIHS	SGYTDYNPSL	300
KSRVTISGDT	SKKQFSLKLS	SVTAADTAVY	YCARADWRDL	RALDIWGQGT	350
MVTVSSGGGG	SGGGSGGGG	SGGGGSDIQL	TQSPSSLSAS	VGDRVITICR	400
ASQSIRSHLN	WYQKPKGKAP	KLLIYGASNL	QSGVPSRFSG	SGSGTDFTLT	450
ISSLQPEDFA	TYCQSTGA	WNWFGCGTKV	EIKGGGGSGG	GGSDKTHTCP	500
PCPAPELLGG	PSVFLFPPKP	KDTLMISRTP	EVTCTVVVDVS	HEDPEVKFNW	550
YVDGVEVHNA	KTKPREEQYN	STYRVVSVLT	VLHQDWLNGK	EYKCKVSNKA	600
LPAPIEKTIS	KAKGQPREPQ	VYTLPPSREE	MTKNQVSLTC	LVKGFYPSDI	650
AVEWESNGQP	ENNYKTTPPV	LDSDGSFFLY	SKLTVDKSRW	QQGNVFSCSV	700
MHEALHNHYT	QKSLSLSPGK				720

### Light chain

AIQMTQSPSS	LSASVGDVRT	ITCRASQGIR	NDLGWYQQKP	GKAPKLLIYS	50'
ASTLQSGVPS	RFSGSGSGTD	FTLTISLQP	EDFATYYCLQ	DYNYPWTFGQ	100'
GTKVEIKRTV	AAPSIFFP	SDEQLKSGTA	SVVCLLNIFY	PREAKVQWKV	150'
DNALQSGNSQ	ESVTEQDSKD	STYLSLSTLT	LSKADYEKHK	VYACEVTHQG	200'
LSSPVTKSFN	RGEC				214'

### Disulfide bridges

22-96	22''-96''	23'-88'	23'''-88'''	134'-194'	134'''-194'''	151-207	151''-207''
214'-227	214'''-227'''	259-332	259''-332''	281-476	281''-476''	399-464	399''-464''
499-499''	502-502''	534-594	534''-594''	640-698	640''-698''		

\* partly reduced and S-

### Glycosylation sites (N)

Asn570 Asn570''

MOLECULAR FORMULA

C<sub>8848</sub>H<sub>13708</sub>N<sub>2390</sub>O<sub>2805</sub>S<sub>62</sub> (peptide only)

MOLECULAR WEIGHT

200.4 kDa

TRADEMARK	None as yet
SPONSOR	MedImmune
CODE DESIGNATIONS	MEDI3902
<u>CAS</u> REGISTRY NUMBER	1800381-36-5
UNII	3QG7W0YN2Z
WHO NUMBER	10909

gbk