

STATEMENT ON A NONPROPRIETARY NAME ADOPTED BY THE USAN COUNCIL

USAN (FG-87) ATOLTIVIMAB

PRONUNCIATION a" tol tiv' i mab

THERAPEUTIC CLAIM Treatment of Ebola virus disease

CHEMICAL NAME

1. Immunoglobulin G1, anti-(Zaire ebolavirus glycoprotein) (human monoclonal REGN3470 γ 1-chain), disulfide with human monoclonal REGN3470 κ -chain, dimer
2. Immunoglobulin G1-kappa, anti-(Zaire ebolavirus glycoprotein); human monoclonal antibody; γ 1 heavy chain (1-446) [human VH (*Homo sapiens* IGHV3-33*01 (95%) –(IGHD)-IGHJ4*01) [8.8.9] (1-116) -*Homo sapiens* IGHG1*01 (117-446)] (219-215')-disulfide with κ light chain (1'-215') [human V-KAPPA (*Homo sapiens* IGKV1-39*01 (95%) –IGKJ2*01)[6.3.10] (1'-108') -*Homo sapiens* IGKC*01 (109'-215')], dimer (225-225":228-228")-bisdisulfide

STRUCTURAL FORMULA

Heavy chain

QVQLVESGGG	VVQPGRSLRL	SCAASGFTFN	NYGMHWVRQA	PGMGLEWVAV	50
IWHDGSDKYY	ADSVKGRFTI	SRDNSKNTLY	LQMNSLRAED	TAVYYCARNW	100
NLFDYWGQGT	LVTVSSASTK	GPSVFLPLPS	SKSTSGGTAA	LGCLVKDYFP	150
EPVTVSWNSG	ALTSGVHTFP	AVLQSSGLYS	LSSVVTVPSS	SLGTQTYICN	200
VNHKPSNTKV	DKKVEPKSCD	KTHTCPPCPA	PELLGGPSVF	LFPPKPKDTL	250
MISRTPEVTC	VVVDVSHEDP	EVKFNWYVDG	VEVHNAKTKP	REEQYNSTYR	300
VVSVLTIVLHQ	DWLNGKEYKC	KVSNKALPAP	IEKTISKAKG	QPREPQVYTL	350
PPSRDELTKN	QVSLTCLVKG	FYPSDIAVEW	ESNGQPENNY	KTTPPVLDSD	400
GSFFLYSKLT	VDKSRWQQGN	VFSCSVMHEA	LHNHYTQKSL	SLSPGK	446

Light chain

DIQMTQSPSS	LSASVGDRIT	ITCRASQGIS	TYLHWYQQKP	GKAPKLLIYA	50'
ASTLQSGVPS	RFSGSGSGTD	FSLTISLQP	EDFATYYCQQ	SFSTPPINFG	100'
QGTKLEIKRT	VAAPSVFIFP	PSDEQLKSGT	ASVVCLLNNE	YPREAKVQWK	150'
VDNALQSGNS	QESVTEQDSK	DSTYLSSTL	TLSKADYEKHK	KVYACEVTHQ	200'
GLSSPVTKSF	NRGEC				215'

Disulfide bridges

22-96	22"-96"	23'-88'	23"-88"	135'-195'	135"-195"	143-199	143"-199"
215'-219	215"-219"	225-225"	228-228"	260-320	260"-320"	366-424	366"-424"

Glycosylation sites (N)

Asn-296 Asn-296"

MOLECULAR FORMULA C₆₄₄₈H₉₉₅₄N₁₇₂₆O₂₀₀₂S₄₄ (peptide only)

MOLECULAR WEIGHT 145.10 kDa (peptide only)

TRADEMARK None as yet

SPONSOR Regeneron Pharmaceuticals

CODE DESIGNATIONS	REGN3470
<u>CAS</u> REGISTRY NUMBER	2135632-29-8
UNII	FJZ07Q63VY
WHO NUMBER	11032

gbk