

# STATEMENT ON A NONPROPRIETARY NAME ADOPTED BY THE USAN COUNCIL

USAN (FG-140) NIRSEVIMAB  
**Revised (formerly EF-58)**

PRONUNCIATION nir sev' i mab

THERAPEUTIC CLAIM Prevention of respiratory syncytial virus infection

## CHEMICAL NAMES

1. Immunoglobulin G1, anti-(human respiratory syncytial virus fusion protein)(human monoclonal MEDI8897  $\gamma$ 1-chain), disulfide with monoclonal MEDI8897  $\kappa$ -chain, dimer
2. Immunoglobulin G1-kappa, anti-(human respiratory syncytial virus fusion glycoprotein F0 (protein F)); human monoclonal antibody;  $\gamma$ 1 heavy chain (1-456) [human VH (*Homo sapiens* IGHV1-69\*01–(IGHD)-IGHJ4\*01 (90.1%)) [8.8.19] (1-126) -*Homo sapiens* IGHG1\*03 {CH2 M<sup>22</sup>>Y(261),S<sup>24</sup>>T(263),T<sup>26</sup>>E(265)} (127-456)] (229-214')-disulfide with kappa light chain (1'-214') [human V-KAPPA (*Homo sapiens* IGKV1-33\*01–IGKJ4\*01)(96%) [6.3.9] (1'-107') -*Homo sapiens* IGKC\*01 (108'-214')], dimer (235-235':238-238'')-bisdisulfide

## STRUCTURAL FORMULA

### Heavy chain / Chaîne lourde / Cadena pesada

QVQLVQSGAE	VKKPGSSVMV	SCQASGGLLE	DYIINWVRQA	PGQGPEWMGG	50
IIPVLGTVHY	GPKFQGRVTI	TADESTDTAY	MELSSLRSED	TAMYYCATET	100
ALVVSETYLP	HYFDNWGQGT	LVTVSSASTK	GPSVFPLAPS	SKSTSGGTAA	150
LGCLVKDYFP	EPVTVSWNSG	ALTSGVHTFP	AVLQSSGLYS	LSSVVTVPSS	200
SLGTQTYICN	VNHKPSNTKV	DKRVEPKSCD	KTHTCPPCPA	PELLGGPSVF	250
LFPPKPKDTL	<b>YITRE</b> PEVTC	VVVDVSHEDP	EVKFNWYVDG	VEVHNAKTKP	300
REEQYNSTYR	VVSVLTVLHQ	DWLNGKEYKC	KVSNKALPAP	IEKTIISKAKG	350
QPREPQVYTL	PPSREEMTKN	QVSLTCLVKG	FYPSDIAVEW	ESNGQPENNY	400
KTTTPVLDSD	GSFFLYSKLT	VDKSRWQQGN	VFSCSVMHEA	LHNHYTQKSL	450
SLSPGK					456

### Light chain / Chaîne légère / Cadena ligera

DIQMTQSPSS	LSAAVGDRVT	ITCQASQDIV	NYLNWYQQKP	GKAPKLLIYV	50'
ASNLETGVPS	RFSGSGSGTD	FSLTISLQP	EDVATYYCQQ	YDNLPLTFGG	100'
GTKVEIKRTV	AAPSVFIFPP	SDEQLKSGTA	SVVCLLNNFY	PREAKVQWKV	150'
DNALQSGNSQ	ESVTEQDSKD	STYLSLSTLT	LSKADYEKHK	VYACEVTHQG	200'
LSSPVTKSFN	RGEC				214'

### Disulfide bridges location / Position des ponts disulfure / Posiciones de los puentes disulfuro

22-96	22"-96"	23-88'	23"-88'''	134'-194'	134"-194'''	153-209	153"-209"
214'-229	214"-229"	235-235"	238-238"	270-330	270"-330"	376-434	376"-434"

### Glycosylation sites (N) / Sites de glycosylation (N) / Posiciones de glicosilación (N)

Asn-306    Asn-306"

MOLECULAR FORMULA  $C_{6494}H_{10060}N_{1708}O_{2050}S_{46}$  (nonglycosylated)

MOLECULAR WEIGHT 146.3 kDa (nonglycosylated)

TRADEMARK	None as yet
SPONSOR	MedImmune, LLC
CODE DESIGNATIONS	MEDI8897
<u>CAS</u> REGISTRY NUMBER	1989556-22-0
UNII	VRN8S9CW5V
WHO NUMBER	10780

gbk