

STATEMENT ON A NONPROPRIETARY NAME ADOPTED BY THE USAN COUNCIL

USAN (FG-72) LESOFAVUMAB

PRONUNCIATION les" oh fav' ue mab

THERAPEUTIC CLAIM Treatment of influenza B infection

CHEMICAL NAMES

1. Immunoglobulin G1, anti-(influenza B virus viral hemagglutinin) (human monoclonal MHAB5553A heavy chain), disulfide with human monoclonal MHAB5553A light chain, dimer
2. Immunoglobulin G1-kappa, anti-(*Influenza B virus* Hemagglutinin); *Homo sapiens* monoclonal antibody; γ 1 heavy chain (1-453) [*Homo sapiens* VH (IGHV5-51*01 (90%) –(IGHD)-IGHJ5*01 (93%)) [8.8.16] (1-123) -*Homo sapiens* IGHG1*03 {CH1[R⁹⁷>K(220)} (124-453)] (226-219')-disulfide with κ light chain (1'-219') [*Homo sapiens* V-KAPPA (IGKV2-28*01 (99%) – IGKJ2*01) [11.3.9] (1'-112') -*Homo sapiens* IGKC*01 (113'-219')]; dimer (232-232":235-235")-bisdisulfide

STRUCTURAL FORMULA

Heavy chain

EVQLVQSGAE	VKKPGESLKI	SCKVSGYSFT	SQWIGWVRQM	PGKGLEWIGM	50
MYPGESETIY	SPSFQGVVTI	SADNSISTAY	LQWSSLKASD	TAIYYCASGP	100
GYSGYHYGWF	DTWGQGLTIV	VSSASTKGPS	VFPLAPSSKS	TSGGTAALGC	150
LVKDYFPEPV	TVSWNSGALT	SGVHTFPAVL	QSSGLYSLSS	VVTVPSSSLG	200
TQTYICNVNH	KPSNTKVDKK	VEPKSCDKTH	TCPPCPAPEL	LGGPSVFLFP	250
PKPKDTLMIS	RTPEVTCVVV	DVSHEDPEVK	FNWYVDGVEV	HNAKTKPREE	300
QYNSTYRVVS	VLTVLHQDWL	NGKEYKCKVS	NKALPAPIEK	TISKAKGQPR	350
EPQVYTLPPS	REEMTKNQVS	LTCLVKGFYP	SDIAVEWESN	GQPENNYKTT	400
PPVLDSDGSF	FLYSKLTVDK	SRWQQGNVFS	CSVMHEALHN	HYTQKSLSL	450
PGK					453

Light chain

DIVMTQSPLS	LPVTPGEPAS	ISCRSSQSL	RSNGYNYLDW	YLQKPGQSPQ	50'
LLIYLGSNRA	SGVPPDRFSGS	GSGTDFTLKI	SRVEAEDVGV	YYCMQALQTP	100'
YTFGQGTKLE	IKRTVAAPSV	FIFPPSDEQL	KSGTASVCL	LNNFYPREAK	150'
VQWKVDNALQ	SGNSQESVTE	QDSKDYSTYSL	SSTLTLSKAD	YEKHKVYACE	200'
VTHQGLSSPV	TKSFNRGEC				219'

Disulfide bridges location

22-96	22"-96"	23'-93'	23""-93""	139'-199'	139""-199""	150-206	150"-206"
219'-226	219""-226"	232-232"	235-235"	267-327	267""-327"	373-431	373""-431"

Glycosylation sites (N)

Asn-303 Asn-303"

MOLECULAR FORMULA $C_{6552}H_{10094}N_{1714}O_{2042}S_{48}$

MOLECULAR WEIGHT 147.1 kDa

TRADEMARK None as yet

SPONSOR	Genentech, Inc./Roche
CODE DESIGNATIONS	RO7045557, RG70026, MHAB5553A
<u>CAS</u> REGISTRY NUMBER	1807960-57-1
UNII	J8O0SI025W
WHO NUMBER	10458

gbk