

STATEMENT ON A NONPROPRIETARY NAME ADOPTED BY THE USAN COUNCIL

USAN (Im-184)

DONANEMAB

Revised 2.23

PRONUNCIATION

doe nan' e mab

THERAPEUTIC CLAIM

Treatment of Alzheimer's disease

CHEMICAL NAME

Immunoglobulin G1, anti-(human pyroglutamyI A β (3-x) peptide)(human clone LY3002813 γ 1-chain), disulfide with human clone LY3002813 κ -chain, dimer

STRUCTURAL FORMULA

Heavy chain

QVQLVQSGAE	VKKPGSSVKV	SCKASGYDFT	RYYINWVRQA	PGQGLEWMGW	50
INPGSGNTKY	NEKFKGRVTI	TADESTSTAY	MELSSLRSED	TAVYYCAREG	100
ITVYWGQGT	VTVSSASTKG	PSVFPLAPSS	KSTSGGTAAAL	GCLVKDYFPE	150
PVTVSWNSGA	LTSGVHTFPA	VLQSSGLYSL	SSVVTVPSSS	LGTQTYICNV	200
NHKPSNTKVD	KKVEPKSCDK	THTCPPCPAP	ELLGGPSVFL	FPPKPKDTLM	250
ISRTPEVTCV	VVDVSHEDPE	VKFNWYVDGV	EVHNAKTKPR	EEQYNSTYRV	300
VSVLTIVLHQD	WLNKKEYKCK	VSNKALPAPI	EKTISKAKGQ	PREPQVYTLF	350
PSRDELTKNQ	VSLTCLVKGF	YPSDIAVEWE	SNGQPENNYK	TTPPVLDSDG	400
SFFLYSKLTV	DKSRWQQGNV	FSCSVMHEAL	HNHYTQKSLS	LSPG	444

Light chain

DIVMTQTPLS	LSVTPGQPAS	ISCKSSQSLI	YSRGKTYLNV	LLQKPGQSPQ	50'
LLLYAVSKLD	SGVPDRFSGS	GSQDFDTLKI	SRVEAEDVGV	YYCVQGTHTYP	100'
FTFGQGTKLE	IKRTVAAPSV	FIFPPSDEQL	KSGTASVVCV	LNNFYYPREAK	150'
VQWKVDNALQ	SGNSQESVTE	QDSKDYSTYSL	SSTLTLSKAD	YEKHKVYACE	200'
VTHQGLSSPV	TKSFNRGEC				219'

Disulfide bridges

22-96	22''-96''	23'-93'	23'''-93'''	139'-199'	139'''-199'''	142-198	142''-198''
218-219'	218''-219''	224-224''	227-227''	259-319	259''-319''	365-423	365''-423''

Glycosylation sites (N)

Asn295 Asn295''

MOLECULAR FORMULA

C₆₄₅₂H₁₀₀₁₂N₁₇₀₈O₂₀₁₆S₄₂

MOLECULAR WEIGHT

145.1 kDa

TRADEMARK

None as yet

SPONSOR

Eli Lilly and Company

CODE DESIGNATIONS

LY3002813

CAS REGISTRY NUMBER

1931944-80-7

UNII

1ADB65P1KK

WHO NUMBER

10922

gbk