

November 28, 2012

## STATEMENT ON A NONPROPRIETARY NAME ADOPTED BY THE USAN COUNCIL

USAN (YY-155)	ELDELUMAB
PRONUNCIATION	el del' ue mab
THERAPEUTIC CLAIM	Crohn's disease, ulcerative colitis, and other autoimmune diseases
CHEMICAL NAME	

1. Immunoglobulin G1, anti-(human C-X-C motif chemokine 10 (10 kDa interferon gamma-induced protein, small-inducible cytokine B10)); human monoclonal MDX 1100 des-Lys<sup>454</sup>-[Glp<sup>1</sup>]<sub>γ1</sub> heavy chain (227-216')-disulfide with human monoclonal MDX 1100 κ light chain dimer (233-233":236-236")-bisdisulfide

## STRUCTURAL FORMULA

## Heavy chain

QMQLVESGGG	VVQPGRSLRL	SCTASGFTFS	NNGMHWRQA	PGGLEWVAV	50
IWFDGMNKFY	VDSVKGRTTI	SRDNSKNTLY	LEMNSLRAED	TAIYYCAREG	100
DGSGIYYYYG	MDVWGQGTTV	TVSSASTKGP	SVFPLAPSSK	STSGGTAALG	150
CLVKDYFPEP	VTVSWNSGAL	TSGVHTFPAV	LQSSGLYSL	SVVTVPSSSL	200
GTQTYICNVN	HKPSNTKVDK	RVEPKSCDKT	HTCPPCPAPE	LLGGPSVFLF	250
PPKPKDTLMI	SRTPEVTCVV	VDVSHEDPEV	KFNWYVDGVE	VHNAKTKPRE	300
EQYNSTYRVV	SVLTVLHQDW	LNGKEYKCKV	SNKALPAPIE	KTISKAKGQP	350
REPQVYTLPP	SREEMTKNQV	SLTCLVKGFY	PSDIAVEWES	NGQPENNYKT	400
TPPVLDSDGS	FFLYSKLTVD	KSRWQQGNVF	SCSVMHEALH	NHYTQKLSLSL	450
SPG					453

## Light chain

EIVLTQSPGT	LSSLSPGERAT	LSCRASQSVS	SSYLAWYQQK	PGQAPRLLIY	50'
GASSRATGIP	DRFSGSGSGT	DFTLTISRLE	PEDFAVYCYQ	QYGSPIPTF	100'
GPGTKVDIKR	TVAAPSDFIF	PPSDEQLKSG	TASVCLLNN	FYPREAKVQW	150'
KVDNALQSGN	SQESVTEQDS	KDSTYLSLST	LTLKADYEK	HKVYACEVTH	200'
QGLSSPVTKS	FNRGEC				216'

## Disulfide bridges

22-96	22"-96"	23'-89'	23'''-89'''	136'-196'	136'''-196'''	151-207	151"-207"
216'-227	216'''-227'''	233-233"	236-236"	268-328	268"-328"	374-432	374"-432"

## Modified residues



## Glycosylation sites (N)

Asn-304 Asn-304'

MOLECULAR FORMULA C<sub>6502</sub>H<sub>10024</sub>N<sub>1736</sub>O<sub>2026</sub>S<sub>48</sub>

MOLECULAR WEIGHT 146.5 kDa

TRADEMARK None as yet

SPONSOR	Bristol-Myers Squibb
CODE DESIGNATIONS	BMS-936557, MDX-1100
<u>CAS</u> REGISTRY NUMBER	946414-98-8
WHO NUMBER	9746

gbk