

STATEMENT ON A NONPROPRIETARY NAME ADOPTED BY THE USAN COUNCIL

USAN (HI-229) BOSEROLIMAB
 PRONUNCIATION boe" se roe' li mab
 THERAPEUTIC CLAIM Treatment of cancer

CHEMICAL NAME

Immunoglobulin G1, anti-(human CD27 antigen) (human-Mus musculus monoclonal 131A .gamma.1-chain), disulfide with human-Mus musculus monoclonal 131A .kappa.-chain, dimer (Source: CAS)

STRUCTURAL FORMULA

Heavy chain (X, X'')

EIQLVQSGAE	VKKPGASVKV	SCKASGYTFT	NYGMNWKQA	PGQGLKWMGW	50
INTNTGEPTY	AEEFKGRFTF	TLDTTSISTAY	MELSSLRSED	TAVYYCAREG	100
DAMDYWGQGT	TVTVSSASTK	GPSVFPLAPS	SKSTSGGTAA	LGCLVKDYFP	150
EPVTVSWNSG	ALTSGVHTFP	AVLQSSGLYS	LSSVVTVPSS	SLGTQTYICN	200
VNHKPSNTKV	DKKVEPKSCD	KTHTCPPCPA	PELLGGPSVF	LFPKPKDTL	250
MISRTPEVTC	VVVDVSHEDP	EVKFNWYVDG	VEVHNAKTKP	REEQYNSTYR	300
VVSVLTVLHQ	DWLNGKEYKC	KVSNKALPAP	IEKTIKAKG	QPREPQVYTL	350
PPSRDELTKN	QVSLTCLVKG	FYPSDIAVEW	ESNGQPENNY	KTTPPVLDSD	400
GSFFLYSKLT	VDKSRWQQGN	VFSCVMHEA	LHNHYTQKSL	SLSPGK	446

Light chain (X', X''')

EIVLTQSPAT	LSLSPGERAT	LSCSASSSVS	YMHWYQQKPG	QAPKRWIYDT	50'
SKLASGVPAR	FSGSGGTDY	SLTISSLEPE	DFAVYYCQW	NSYPFTFGQG	100'
TKLEIKRTVA	APSVFIFPPS	DEQLKSGTAS	VVCLLNNFYP	REAKVQWKVD	150'
NALQSGNSQE	SVTEQDSKDS	TYSLSTLTL	SKADYEKHKV	YACEVTHQGL	200'
SSPVTKSFNR	GEC				213'

Disulfide bridges

22-96	22''-96''	23'-87'	23'''-87'''	133'-193'	133'''-193'''	143-199	143''-199''
219-213'	219''-213''	225-225''	228-228''	260-320	260''-320''	366-424	366''-424''

Glycosylation sites (N)

296	296''
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MOLECULAR FORMULA C₆₄₂₆H₉₉₀₈N₁₆₈₆O₂₀₁₃S₄₆ (EXPASY)
 MOLECULAR WEIGHT 144.5 kDa
 TRADEMARK None as yet
 SPONSOR Merck Sharp & Dohme Corp.
 CODE DESIGNATIONS MK-5890
 CAS REGISTRY NUMBER 2444297-08-7
 UNII 576SCZ7V2P
 WHO NUMBER 11948

gbk