

STATEMENT ON A NONPROPRIETARY NAME ADOPTED BY THE USAN COUNCIL

USAN (JK-83) MECBOTAMAB

PRONUNCIATION mek boe' ta mab

THERAPEUTIC CLAIM Treatment of cancers expressing the AXL transmembrane receptor protein

CHEMICAL NAME

Immunoglobulin G1 [de-450-lysine], anti-(human tyrosine kinase receptor AXL) (human-Mus musculus monoclonal BA301 γ 1-chain), disulfide with human-Mus musculus monoclonal BA301 κ -chain, dimer (Source: CAS)

STRUCTURAL FORMULA

Heavy chain

EVQLVQSGAE	VKKPGATVKI	SCKVSGYSFW	GATMNWIRQP	PGKGLEWIGL	50
IKPSNGGTSY	NQKFKGRVTI	SADKSISTAY	LQWSSLKASD	TAMYCAHGH	100
YESYEAMDYW	GQGTLVTVSS	ASTKGPSVFP	LAPSSKSTSG	GTAALGCLVK	150
DYFPEPVTVS	WNSGALTSVG	HTFPAVLQSS	GLYSLSSVVT	VPSSSLGTQT	200
YICNVNHNKPS	NTKVDKKEP	KSCDKTHTCP	PCPAPPELLGG	PSVFLFPPKP	250
KDTLMISRTP	EVTCVVVDV	HEDPEVKFNW	YVDGVEVHNA	KTKPREEQYN	300
STYRVVSVLT	VLHQDWLNGK	EYKCKVSNKA	LPAPIEKTIS	KAKGQPREPQ	350
VYTLPPSRDE	LTKNQVSLTC	LVKGFYPSDI	AVEWESNGQP	ENNYKTTTPV	400
LDSGGSFFLY	SKLTVDKSRW	QQGNVFSCSV	MHEALHNHYT	QKSLSLSPG	450
EVQLVQSGAE	VKKPGATVKI	SCKVSGYSFW	GATMNWIRQP	PGKGLEWIGL	449

Light chain

DIQMTQSPSS	LSASVGDRVT	ITCKASQDVV	SAVAWYQQKP	GQAPRLLIYW	50'
QDTRHTGVPS	RFSGSGSGTE	FTLTISLQP	DDFATYYCQE	HFSPPLTFGQ	100'
GTKVEIKRTV	AAPSVFIFPP	SDEQLKSGTA	SVVCLLNNFY	PREAKVQWKV	150'
DNALQSGNSQ	ESVTEQDSKD	STYLSSTLT	LSKADYEKHK	VYACEVTHQG	200'
LSSPVTKSFN	RGEC				214'

Disulfide bridges

22'-96'	22''-96''	23'-88'	23'''-88'''	134'-194'	134'''-194'''	147-203	147''-203''
223-214'	223''-214''	229-229''	232-232''	264-324	264''-324''	370-428	370''-428''

Glycosylation sites (N)

300 300''

MOLECULAR FORMULA $C_{6954}H_{10768}N_{1842}O_{2139}S_{48}$ (peptide only)

MOLECULAR WEIGHT 156.0 kDa

TRADEMARK None as yet

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CODE DESIGNATIONS BA301

CAS REGISTRY NUMBER 2460400-28-4

UNII

5Q5W4H8T1J

WHO NUMBER

11951

gbk