

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

USAN (ZZ-142) IMGATUZUMAB

PRONUNCIATION im" ga tooz' ue mab

THERAPEUTIC CLAIM Antineoplastic

## CHEMICAL NAMES

1. Immunoglobulin G1, anti-(human epidermal growth factor receptor) (human-rat monoclonal GA201 heavy chain), disulfide with human-rat monoclonal GA201  $\kappa$ -chain, dimer
2. Immunoglobulin G1, anti-(human epidermal growth factor receptor (proto-oncogene c-ErbB-1, receptor tyrosine-protein kinase erbB-1)); humanized rat monoclonal GA201 des-450-L-lysine(CH<sub>3</sub><sup>107</sup>-K<-)- $\gamma$ 1 heavy chain (223-213')-disulfide with humanized rat monoclonal GA201  $\kappa$  light chain dimer (229-229':232-232'')-bisdisulfide

## STRUCTURAL FORMULA

## Heavy chain

QQLVQSGAE	VKKPGSSVKV	SCKASGFTFT	DYKIHWVRQA	PGQGLEWMGY	50
FNPNSGYSTY	AQKFQGRVTI	TADKSTSTAY	MELSSLRSED	TAVYYCARLS	100
PGGYVMDAW	GQGTITVTVSS	ASTKGPSVFP	LAPSSKSTSG	GTAALGCLVK	150
DYFPEPTVS	WNSGALTSKV	HTFPAVLQSS	GLYSLSSVVT	VPSSSLGTQT	200
YICNVNHKPS	NTKVDKVEP	KSCDKTHTCP	PCPAPPELLGG	PSVFLFPPKP	250
KDTLMISRTP	EVTTCVVDVS	HEDPEVKFNW	YVDGVEVHNA	KTKPREEQYN	300
STYRVVSVLT	VLHQDWLNGK	EYKCKVSNKA	LPAPIEKTIS	KAKGQPREPQ	350
VYTLPPSRDE	LTKNQVSLTC	LVKGFYPSDI	AVEWESNGQP	ENNYKTTTPPV	400
LDSGDGSFFLY	SKLTVDKSRW	QQGNVFSCSV	MHEALHNHYT	QKSLSLSPG	449

## Light chain

DIQMTQSPSS	LSASVGRVTV	ITCRASQGIN	NYLNWYQQK	GKAPKRLIYN	50'
TNNLQTVGVS	RFSGSGSGTE	F <sup>1</sup> LTLSLQ	EDFATYYCLQ	HNSFPTFGQG	100'
TKLEIKRTVA	APSVFIFPPS	DEQLKSGTAS	VVCLLNNFYF	REAKVQWKVD	150'
NALQSGNSQE	SVTEQDSKDS	TYSLSSTLTL	SKADYEKHKV	YACEVTHQGL	200'
SSPVTKSFNR	GEC				213'

## Disulfide bridges

22-96	22"-96"	23'-88'	23'''-88'''	133'-193'	133'''-193'''	147-203	147"-203"
213'-223	213'''-223'''	229-229"	232-232"	264-324	264"-324"	370-428	370"-428"

## Glycosylation sites (N)

Asn-300 Asn-300'

MOLECULAR FORMULA C<sub>6434</sub>H<sub>9942</sub>N<sub>1718</sub>O<sub>2016</sub>S<sub>44</sub> (peptide)

MOLECULAR WEIGHT 145.0 kDa (peptide)

TRADEMARK None as yet

SPONSOR Genentech/Roche

CODE DESIGNATIONS GA201, RG7160, RO5083945, HuMAB&lt;EGFR&gt;

CAS REGISTRY NUMBER      959963-46-3

WHO NUMBER                      9598

gbk