

STATEMENT ON A NONPROPRIETARY NAME ADOPTED BY THE USAN COUNCIL

USAN (HI-116) ASTEGOLIMAB

PRONUNCIATION as" teg oh' li mab

THERAPEUTIC CLAIM Treatment of asthma

CHEMICAL NAMES

1. Immunoglobulin G2, anti-(human interleukin-33 receptor) (human monoclonal MSTT1041A γ 2-chain), disulfide with human monoclonal MSTT1041A κ -chain, dimer
2. Immunoglobulin G \times -kappa, anti-(*Homo sapiens* Interleukin-1 receptor-like 1 (Protein ST2, EC=3.2.2.6)) *Homo sapiens* monoclonal antibody; γ 2 heavy chain *Homo sapiens* (1-447) [*Homo sapiens* VH (IGHV5-51*01 (96%) – (IGHD)-IGHJ6*01 (94%)) [8.8.14] (1-121) -*Homo sapiens* IGHG2*01 (122-447)] (135-214')-disulfide with κ light chain *Homo sapiens* (1'-214') [V-KAPPA (*Homo sapiens* IGKV1-33*01 (98%) –IGKJ4*01)[6.3.9] (1'-107') -*Homo sapiens* IGKC*01 (108'-214')], dimer (223-223":224-224":227-227":230-230")-tetrakisdisulfide

STRUCTURAL FORMULA

Heavy chain

EVQLVQSGAE	VKKPGESLKI	SCKGSGYSFT	NYWIGWVRQM	PGKGLEWMGI	50
IYPGNSDTRF	SPSPFQQVTI	SADKSITTAY	LQWSSLKASD	TAMYICARHG	100
TSSDYGLDV	WGQGTVTVS	SASTKGPSVF	PLAPCSRSTS	ESTAALGCLV	150
KDYFPEPVTV	SWNSGALTSG	VHTFPAVLQS	SGLYSLSSVV	TVPSSNFGTQ	200
TYTCNVDHKP	SNTKVDKTVE	RKCCVECPPC	PAPPVAGPSV	FLFPPKPKDT	250
LMISRTPEVT	CVVVDVSHED	PEVQFNWYVD	GVEVHNAKTK	PREEQFNSTF	300
RVVSVLTVVH	QDWLNGKEYK	CKVSNKGLPA	PIEKTISKTK	GQPREPQVYT	350
LPPSREEMTK	NQVSLTCLVK	GFYPSDIAVE	WESNGQPENN	YKTPPMLDS	400
DGSFFLYSKL	TVDKSRWQQG	NVFSCVMHE	ALHNHYTQKS	LSLSPGK	447

Light chain

DIQMTQSPSS	LSASVGDRVT	ITCQASQDIS	NYLNWYQQKP	GKAPKLLIYD	50'
ASNLETGVPS	RFSGSGSGTD	FTFTISSLQP	EDIATYYCQQ	DDNFPLTFGG	100'
GTKVEIKRTV	AAPSVFIFPP	SDEQLKSGTA	SVVCLLNNFY	PREAKVQWKV	150'
DNALQSGNSQ	ESVTEQDSKD	STYLSSTLT	LSKADYEKHK	VYACEVTHQG	200'
LSSPVTKSFN	RGEC				214'

Disulfide bridges location (isoform A)

22-96	22'-96"	23'-88'	23"-88"	134'-194'	134"-194"
135-214' *	135"-214" *	148-204	148"-204"	223-223' *	224-224" *
227-227"	230-230"	261-321	261"-321"	367-425	3670"-425"

* isoform A/B : 135"-223 & 214"-223" isoform B : 135-224" & 214'-224"

Post translational modified residues

K
447, 447"
Deleted Lysines

Glycosylation sites (N)

Asn-297 Asn-297"

MOLECULAR FORMULA

C₆₄₂₄H₉₈₇₈N₁₆₉₄O₂₀₃₀S₅₂ (peptide)

MOLECULAR WEIGHT	145.0 kDa (peptide)
TRADEMARK	None as yet
SPONSOR	Genentech/Roche
CODE DESIGNATIONS	RG6149, MSTT1041A
<u>CAS</u> REGISTRY NUMBER	2173054-79-8
UNII	27TW751DTH
WHO NUMBER	11067

gbk