

STATEMENT ON A NONPROPRIETARY NAME ADOPTED BY THE USAN COUNCIL

USAN (cd-155) VADASTUXIMAB

PRONUNCIATION vad" as tux' i mab

THERAPEUTIC CLAIM Treatment of leukemia

CHEMICAL NAMES

1. Immunoglobulin G1, anti-(human sialic acid-binding immunoglobulin-like lectin 3) (human-Mus musculus monoclonal h2H12ec heavy chain), disulfide with human-Mus musculus monoclonal h2H12ec light chain, dimer
2. Immunoglobulin G1-kappa, anti-[Homo sapiens CD33 (sialic acid binding Ig-like lectin 3, SIGLEC3, SIGLEC-3, gp67, p67)], chimeric monoclonal antibody; gamma1 heavy chain (1-447) [Mus musculus VH (IGHV1- 85*01 -(IGHD) - IGHJ4*01) [8.8.10] (1-117) -Homo sapiens IGHG1*01, Gm17,1 (CH1 (118-215), hinge (216-230), CH2 S3>C (239) (231-340),CH3 (341-445), CHS (446-447)) (118-447)], (220-214')-disulfide with kappa light chain (1'- 214') [Mus musculus V-KAPPA (IGKV14-111*01 - IGKJ1*01) [6.3.9] (1'-107') -Homo sapiens IGKC*01, Km3 (108'-214')]; dimer (226-226":229-229")-bisdisulfide

STRUCTURAL FORMULA

Heavy chain

XVQLVQSGAE	VKKPGASVKV	SCKASGYTFT	NYDINWVRQA	PGQGLEWIGW	50
IYPGDGSTKY	NEKFKAKATL	TADTSTSTAY	MELRSLRSDD	TAVYYCASGY	100
EDAMDYWGQG	TTVTVSSAST	KGPSVFPLAP	SSKSTSGGTA	ALGCLVKDYF	150
PEPVTVSWNS	GALTSVHTF	PAVLQSSGLY	SLSSVTVVPS	SSLGTQTYIC	200
NVNHKPSNTK	VDKKVEPKSC	DKTHTCPPCP	APELLGGPCV	FLFPPKPKDT	250
LMISRTPEVT	CVVVDVSHED	PEVKFNWYVD	GVEVHNAKTK	PREEQYNSTY	300
RVVSVLTVLH	QDWLNGKEYK	CKVSNKALPA	PIEKTISKAK	GQPREPQVYT	350
LPPSRDELTK	NQVSLTCLVK	GFYPSDIAVE	WESNGQPENN	YKTTTPVLDS	400
DGSFFLYSKL	TVDKSRWQQG	NVFSCSVMHE	ALHNHYTQKS	LSLSPGK	447

Light chain

DIQMTQSPSS	LSASVGDRTV	INCKASQDIN	SYLSWFQQKP	GKAPKTLIYR	50'
ANRLVDGVPS	RFSGSGSGQD	YTLTISSLQP	EDFATYYCLQ	YDEFPLTFGG	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'''	144-200	144''-200''
220-214'	220''-214'''	226-226''	229-229''	261-321	261''-321''	367-425	367''-425''

Glycosylation sites (N)

297 297''

MOLECULAR FORMULA	Not specified
MOLECULAR WEIGHT	144.8 kDa (peptide only)
TRADEMARK	None as yet
SPONSOR	Seattle Genetics, Inc.
CODE DESIGNATIONS	h2H12ec
<u>CAS</u> REGISTRY NUMBER	1436390-63-4
UNII	OQE503T586
WHO NUMBER	10242

gbk