

May 28, 2014

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

USAN (BC-112) TAREXTUMAB

PRONUNCIATION tar ex' tue mab

THERAPEUTIC CLAIM Treatment of cancer

## CHEMICAL NAMES

1. Immunoglobulin G2, anti-(human Notch (receptor) Notch2/Notch (receptor) Notch3) (human OMP-59R5 heavy chain), disulfide with human OMP-59R5 light chain, dimer
2. Immunoglobulin G2-kappa, anti-[*Homo sapiens* NOTCH2 and NOTCH3], *Homo sapiens* monoclonal antibody; gamma2 heavy chain (1-441) [*Homo sapiens* VH (IGVHV3-66\*01 (93.90%)-(IGHD)-IGHJ6\*01 T123>L (110)) [8.8.8] (1-115) – IGHG2\*01 (CH1 (116-213), hinge (214-225), CH2 (226-334), CH3 (335-441) kappa light chain (1'-215')-disulfide with kappa light chain (1'-215') [*Homo sapiens* V-KAPPA (IGKV3-20\*02 (94.40%)-IGKJ1\*01) [7.3.9] (1'-108')-IGKC\*01 (109'-215')] ; dimer (217-217'':218-218'':221-221'':224-224'')-tetrakisdisulfide

## STRUCTURAL FORMULA

## Heavy chain

EVQLVESGGG	LVQPGGSLRL	SCAASGFTFS	SSGMSWVRQA	PGKGLEWVSV	50
IASSGSNTYY	ADSVKGRFTI	SRDNSKNTLY	LQMNSLRAED	TAVYYCARSI	100
FYTTWGQGTL	VTVSSASTKG	PSVFLAPCS	RSTSESTAAL	GCLVKDYFPE	150
PVTVSWNSGA	LTSGVHTFPA	VLQSSGLYSL	SSVVTVPSSN	FGTQTYTCNV	200
DHKPSNTKVD	KTVERKCCVE	CPPCPAPPVA	GPSVFLFPPK	PKDTLMISRT	250
PEVTCVVVDV	SHEDPEVQFN	WYVDGVEVHN	AKTKPREEQF	NSTFRVSVL	300
TVVHQDWLNG	KEYKCRVSNK	GLPAPIEKTI	SKTKGQPREP	QVYTLPPSRE	350
EMTKNQVSLT	CLVKGFYPSD	IAVEWESNGQ	PENNYKTTTP	MLDSDGSEFL	400
YSKLTVDKSR	WQQGNVFCSS	VMHEALHNHY	TQKLSLSLSPG	K	441

## Light chain

DIVLTQSPAT	LSLSPGERAT	LSCRASQSVR	SNYLAWYQQK	PGQAPRLLIY	50'
GASSRATGVP	ARFSGSGSGT	DFTLTISSELE	PEDFAVYYCQ	QYSNFPITFG	100'
QGTKVEIKRT	VAAPSVFIFP	PSDEQLKSGT	ASVVCLLNPF	YPREAKVQWK	150'
VDNALQSGNS	QESVTEQDSK	DSTYLSSTL	TLSKADYEKH	KVYACEVTHQ	200'
GLSSPVTKSF	NRGEC				215'

## Disulfide bridges

22-96	22''-96''	23'-89'	23'''-89'''	129-215'	129''-215'''	135'-195'	135'''-195'''
142-198	142''-198''	217-217''	218-218''	221-221''	224-224''	255-315	255'''-315'''
361-419	361''-419''						

## Glycosylation sites (N)

Asn-291 Asn-291''

## MOLECULAR FORMULA

 $C_{6338}H_{9804}N_{1700}O_{1990}S_{48}$ 

## MOLECULAR WEIGHT

143.2 kDa

TRADEMARK	None as yet
SPONSOR	OncoMed Pharmaceuticals, Inc.
CODE DESIGNATIONS	OMP-59R5
<u>CAS</u> REGISTRY NUMBER	1359940-55-8
UNII	333YMY788E
WHO NUMBER	9762

gbk