

December 30, 2015

STATEMENT ON A NONPROPRIETARY NAME ADOPTED BY THE USAN COUNCIL

USAN (CD-132) RANEVETMAB  
PRONUNCIATION ra" ne vet' mab  
THERAPEUTIC CLAIM Treatment of pain associated with osteoarthritis in dogs.  
CHEMICAL NAMES

1. Immunoglobulin, anti-(nerve growth factor) (*Canis familiaris-Rattus norvegicus* monoclonal NV-01 heavy chain), disulfide with *Canis familiaris-Rattus norvegicus* monoclonal NV-01 light chain, dimer
2. Immunoglobulin G1-kappa, anti-(mouse beta-nerve growth factor (Beta-NGF)); caninised rat monoclonal antibody:  $\gamma$ 1 heavy chain (1-453) [caninised rat VH (*Rattus norvegicus* IGHV5S13\*01 (71%) –(IGHD)-IGHJ3-\*01 (91%)) [8.7.16] (1-122) -*Canis familiaris* IGHG1\*01 (123-453)] (137-213')-disulfide with kappa light chain (1'-217') [caninised rat V-KAPPA (*Rattus norvegicus* IGKV12S34\*01 (77%) –IGKJ2-1\*01 (82%)) [6.3.9] (1'-107') –*Canis familiaris* IGKC\*01 (108"-213")], dimer (224-224":226-226":232-232")-trisulfide

STRUCTURAL FORMULA

Heavy chain

EVQLVESGGG	LVQPPGSLRL	SCVASGFSLT	NNNVNWRQA	PGGLEWVGG	50
VWAGGATDYN	SALKSRFTIS	RDNAKNTVFL	QMHSRSED	AVYYCARDGG	100
YSSSTLYAMD	AWGQTSVTV	SSASTTAPSV	FPLAPSCGST	SGSTVALACL	150
VSGYFPEPVT	VSWNSGSLTS	GVHTFPSVLQ	SSGLHSLSSM	VTVPSSRWPS	200
ETFTCNVVHP	ASNTKVDKPV	FNECRCTDTP	PCPVPEPLGG	PSVLIFPPKP	250
KDILRITRTP	EVTCVLDLGL	REDPEVQISW	FVDGKEVHTA	KTQSREQQFN	300
GTYRVVSVLP	IEHQDWLTGK	EFKCRVNHID	LPSPIERTIS	KARGRAHKPS	350
VYVLPSPKE	LSSSDTVSIT	CLIKDFYPPD	IDVEWQSNQ	QEPERKHRMT	400
PPQLDEDEGSY	FLYSKLSVVK	SRWQQGDPFT	CAVMHETLQN	HYTDLSLSHS	450
PGK					453

Light chain

DIVMTQSPAS	LSLSQGETVT	ITCRASEDIY	NALAWYQQKP	GQAPKLLIYN	50'
TDTLHTGVPS	RFSGSGSGTD	FSLTISSLEP	EDVAVYYCQH	YFHYPRTFGQ	100'
GTKVELKRND	AQPAVYLFQP	SPDQLHTGSA	SVVCLNSFY	PKDINVKWKV	150'
DGVIQDTGIQ	ESVTEQDKDS	TYSLSSLTMT	SSTEYLSHEL	YSCEITHKSL	200'
PSTLIKSFQR	SECQRVD				217'

Disulfide bridges

22-95	22"-95"	23'-88'	23"-88"	134'-193'	134"-193"
137-213'	137"-213'"	149-205	149"-205"	224-224"	226-226"
232-232"	264-324	264"-324"	371-431	371"-431"	

Glycosylation sites (N)

Asn-300 Asn-300'

MOLECULAR FORMULA

C<sub>6496</sub>H<sub>10022</sub>N<sub>1756</sub>O<sub>2052</sub>S<sub>48</sub> (peptide)

MOLECULAR WEIGHT	147.1 kDa (peptide)
TRADEMARK	None as yet
SPONSOR	Nexvet Australia
CODE DESIGNATIONS	NV-01
<u>CAS</u> REGISTRY NUMBER	1632282-27-9
UNII	I89E5R09M4
WHO NUMBER	10422

gbk