

STATEMENT ON A NONPROPRIETARY NAME ADOPTED BY THE USAN COUNCIL

USAN (EF-49) ANDECALIXIMAB

PRONUNCIATION an dek" a lix' i mab

THERAPEUTIC CLAIM Treatment of cancer and inflammatory diseases

CHEMICAL NAMES

1. Immunoglobulin G4, anti-(human gelatinase B) (human-*Mus musculus* monoclonal GS-5745 heavy chain), disulfide with human-*Mus musculus* monoclonal GS-5745 light chain, dimer
2. Immunoglobulin G4-kappa, anti-(human matrix metalloproteinase-9 (MMP-9, 92 kDa gelatinase, 92 kDa type IV collagenase, gelatinase B, EC=3.4.24.35)); human mouse chimeric monoclonal antibody: γ 4 heavy chain (1-441) [chimeric VH (*Mus musculus* IGHV2-9*02 (83%) –(IGHD)-*Homo sapiens* IGJ4*01) [8.7.9] (1-115) -*Homo sapiens* IGHG4*01 {H S¹⁰>P(223), CH3 K¹⁰⁷>-(442)} (116-441)], (129-214')-disulfide with kappa light chain (1'-214') [chimeric V-KAPPA (*Mus musculus* IGKV6-17*01 (80%) -*Homo sapiens* IGKJ4*01) [6.3.9] (1'-107') -*Homo sapiens* IGKC*01 (108'-214')], dimer (221-221'':224-224'')-bisdisulfide

STRUCTURAL FORMULA

Heavy chain

QVQLQESGPG	LVKPSETLSL	TCTVSGFSL	SYGVHWVRQP	PGKLEWLGV	50
IWTGGTTNYN	SALMSRFTIS	KDDSKNTVYL	KMNSLKTEDT	AIYYCARYYY	100
GMDYWGQGT	VTVSSASTKG	PSVFPPLPCS	RSTSESTAAL	GCLVKDYFPE	150
PVTVSWNSGA	LTSGVHTFPA	VLQSSGLYSL	SSVVTVPSSS	LGTKTYTCNV	200
DHKPSNTKVD	KRVESKYGPP	CPPCPAPEFL	GGPSVFLFPP	KPKDTLMISR	250
TPEVTCVVVD	VSQEDPEVQF	NWYVDGVEVH	NAKTKPREEQ	FNSTYRVVSV	300
LTVLHQDWLN	GKEYKCKVSN	KGLPSSIEKT	ISKAKGPRE	PQVYTLPPSQ	350
EEMTKNQVSL	TCLVKGFYPS	DIAVEWESNG	QPENNYKTTTP	PVLDSGDSFF	400
LYSRLTVDKS	RWQEGNVFSC	SVMHEALHNH	YTQKSLSLSL	G	441

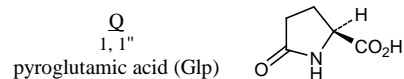
Light chain

DIQMTQSPSS	LSASVGRDVT	ITCKASQDVR	NTVAWYQQKP	GKAPKLLIYS	50'
SSYRNTGVPD	RFSGSGSGTD	FLLTISSLQA	EDVAVYYCQQ	HYITPYTFGG	100'
GTKVEIKRTV	AAPSVFIFPP	SDEQLKSGTA	SVVCLLNNFY	PREAKVQWKV	150'
DNALQSGNSQ	ESVTEQDSKD	STYLSSTLT	LSKADYEKHK	VYACEVTHQG	200'
LSSPVTKSFN	RGEC				214'

Disulfide bridges

22-95	22"-95"	23'-88'	23'''-88'''	129-214'	129"-214'''	134'-194'	134'''-194'''
142-198	142"-198"	221-221''	224-224''	256-316	256"-316''	362-420	362'''-420'''

Modified residues



Glycosylation sites (N)

Asn-292 Asn-292''

***Note from chemical reviewer: sequence 336-337 should be changed from QG to GQ in CAS registry**

MOLECULAR FORMULA	C ₆₃₉₆ H ₉₈₆₈ N ₁₆₈₀ O ₂₀₁₀ S ₄₆ (non-glycosylated)
MOLECULAR WEIGHT	143.9 kDa (non-glycosylated)
TRADEMARK	None as yet
SPONSOR	Gilead Sciences, Inc.
CODE DESIGNATIONS	GS-5745
<u>CAS</u> REGISTRY NUMBER	1518996-49-0
UNII	571045EIM4
WHO NUMBER	10035

gbk