

STATEMENT ON A NONPROPRIETARY NAME ADOPTED BY THE USAN COUNCIL

USAN (GH-77) RAVAGALIMAB

PRONUNCIATION rav" a gal' i mab

THERAPEUTIC CLAIM Treatment of inflammatory and autoimmune diseases

CHEMICAL NAMES

1. Immunoglobulin G1, (anti-human CD19 (antigen)) (humanized clone RB4v1.2 γ 1-chain), disulfide with humanized clone RB4v1.2 κ -chain, dimer
2. Immunoglobulin G1-kappa, anti-(*Homo sapiens* Tumor necrosis factor receptor superfamily member 5 (B-cell surface antigen CD40)); humanized monoclonal antibody; γ 1 heavy chain (1-446) [humanized VH (*Homo sapiens* IGHV3-48*01 (90%) –(IGHD)-IGHJ6*01) [8.8.9] (1-116) -*Homo sapiens* IGHG1*03 {CH1[R⁹⁷>K(213)], CH2[L⁴>A(233),L⁵>A(234)], [CH3[M⁸⁸>L(427)]} (117-446)] (219-220')-disulfide with κ light chain (1'-220') [humanized V-KAPPA (*Homo sapiens* IGKV4-1*01 (89%) –IGKJ2*01)[12.3.9] (1'-113') -*Homo sapiens* IGKC*01 (114'-220')], dimer (225-225':228-228')-bisdisulfide

STRUCTURAL FORMULA

Heavy chain

EVQLVESGGG	LVKPGGSLRL	SCAASGFTFS	DYGMNWRQA	PGKLEWIAI	50
ISSGRGNIYY	ADTVKGRFTI	SRDNAKNSLY	LQMNSLRAED	TAVYYCARSW	100
GYFDVWGQGT	TVTVSSASTK	GPSVFPLAPS	SKSTSGGTAA	LGCLVKDYFP	150
EPVTVSWNSG	ALTSGVHTFP	AVLQSSGLYS	LSSVVTVPSS	SLGTQTYICN	200
VNHKPSNTKV	DKKVEPKSCD	KTHTCPPCPA	PEAAGGPSVF	LFPPKPKDQL	250
MISRTPEVTC	VVVDVSHEDP	EVKFNWYVDG	VEVHNAKTKP	REEQYNSTYR	300
VVSVLTVLHQ	DWLNGKEYKC	KVSNKALPAP	IEKTISKAKG	QPREPQVYTL	350
PPSREEMTKN	QVSLTCLVKG	FYPSDIAVEW	ESNGQPENNY	KTTTPVLDS	400
GSFFLYSKLT	VDKSRWQQGN	VFSCSVLHEA	LHNHYTQKSL	SLSPGK	446

Light chain

DIVMTQSPDS	LAVSLGERAT	INCKSSQSL	NRGNQKNYLT	WFQQKPGQPP	50'
KLLIYWASTR	ESGVPDRFSG	SGSGTDFTLT	ISSLQAEDVA	VYYCQNDYTY	100'
PLTFGQGTKL	EIKRTVAAPS	VFIFPPSDEQ	LKSGTASVVC	LLNNFYPREA	150'
KVQWKVDNAL	QSGNSQESVT	EQDSKDSYTS	LSSTLTLSKA	DYEEKHKVYAC	200'
EVTHQGLSSP	VTKSFNRGEC				220'

Disulfide bridges location

22-96	22"-96"	23'-94'	23'''-94'''	140'-200'	140'''-200'''	143-199	143"-199"
219-220'	219"-220'"	225-225"	228-228"	260-320	260"-320"	366-424	366"-424"

Glycosylation sites (N)

Asn-296 Asn-296'

MOLECULAR FORMULA C₆₄₈₂H₁₀₀₁₄N₁₇₃₄O₂₀₂₄S₄₂ (non-glycosylated)

MOLECULAR WEIGHT 146.0 kDa (non-glycosylated)

TRADEMARK None as yet

SPONSOR	AbbVie
CODE DESIGNATIONS	ABBV-323, PR-1629977
<u>CAS</u> REGISTRY NUMBER	2050816-56-1
UNII	YGF9TW3QZJ
WHO NUMBER	10750

gbk