

STATEMENT ON A NONPROPRIETARY NAME ADOPTED BY THE USAN COUNCIL

USAN (GH-46) ISCALIMAB
 PRONUNCIATION is kal' i mab
 THERAPEUTIC CLAIM Renal transplant, Sjogren's syndrome

CHEMICAL NAMES

1. Immunoglobulin G1, anti-(human CD40 antigen),(human monoclonal clone NVS240705 γ 1-chain), disulfide with human monoclonal clone NVS240705 κ -chain, dimer
2. Immunoglobulin G1-kappa, anti-(*Homo sapiens* Tumor necrosis factor receptor superfamily member 5 (B-cell surface antigen CD40)); human monoclonal antibody; γ 1 heavy chain (1-450) [*Homo sapiens* VH (IGHV3-30*03 (94%) –(IGHD)-IGHJ4*01) [8.8.13] (1-120) -*Homo sapiens* IGHG1*03 {CH2[N⁶⁷>A(300)]} (121-450)] (223-219')-disulfide with κ light chain (1'-219') [*Homo sapiens* V-KAPPA (IGKV2-28*01 (95%) –IGKJ3*01 (92%))[11.3.9] (1'-112') -*Homo sapiens* IGKC*01 (113'-219')], dimer (229-229":232-232")-bisdisulfide

STRUCTURAL FORMULA

Heavy chain

QVQLVESGGG	VVQPGRSLRL	SCAASGFTFS	SYGMHWVRQA	PGKGLEWVAV	50
ISYEESNRYH	ADSVKGRFTI	SRDNSKITLY	LQMNSLRTE	TAVYYCARDG	100
GIAAPGPDYW	GQGLTLTVSS	ASTKGPSVFP	LAPSSKSTSG	GTAALGCLVK	150
DYFPEPVTVS	WNSGALTSGV	HTFPAVLQSS	GLYSLSSVVT	VPSSSLGTQT	200
YICNVNHKPS	NTKVKDRVEP	KSCDKTHTCP	PCPAPPELLGG	PSVFLFPPPKP	250
KDTLMISRTP	EVTCCVVVDVS	HEDPEVKFNW	YVDGVEVHNA	KTKPREEQYA	300
STYRVVSVLT	VLHQDWLNGK	EYKCKVSNKA	LPAPIEKTIS	KAKGQPREPQ	350
VYTLPPSREE	MTKNQVSLTC	LVKGFYPSDI	AVEWESNGQP	ENNYKTTTPPV	400
LDSGGSFFLY	SKLTVDKSRW	QQGNVFSQSV	MHEALHNHYT	QKSLSLSPGK	450

Light chain

DIVMTQSPPLS	LTVTPGEPAS	ISCRSSQSL	YSNGYNYLDW	YLQKPGQSPQ	50'
VLISLGSNRA	SGVPDRFSGS	GSGLDFTLKI	SRVEAEDVGV	YYCMQARQTP	100'
FTFGPGTKVD	IRRTVAAPSV	FIFPPSDEQL	KSGTASVCL	LNNFYYPREAK	150'
VQWKVDNALQ	SGNSQESVTE	QDSKDYSTSL	SSTLTLSKAD	YEKHKVYACE	200'
VTHQGLSSPV	TKSFNRGEC				219'

Disulfide bridges location

22-96	22"-96"	23'-93'	23""-93""	139'-199'	139""-199""	147-203	147"-203"
219-223	219""-223"	229-229"	232-232"	264-324	264""-324""	370-428	370"-428"

Modified residues



Glycosylation sites (N) : none

MOLECULAR FORMULA C₆₄₇₀H₁₀₀₂₈N₁₇₄₄O₂₀₂₂S₄₆

MOLECULAR WEIGHT 146.1 kDa

TRADEMARK	None as yet
SPONSOR	Novartis Pharma AG
CODE DESIGNATIONS	NVP-CFZ533, CFZ533
<u>CAS</u> REGISTRY NUMBER	2031153-61-2
UNII	0628T707D0
WHO NUMBER	10707

gbk