

STATEMENT ON A NONPROPRIETARY NAME ADOPTED BY THE USAN COUNCIL

USAN (JK-152) SOTIGALIMAB
 PRONUNCIATION soe" ti gal' i mab
 THERAPEUTIC CLAIM Treatment of cancer

CHEMICAL NAMES

1. Immunoglobulin G1 [270-glutamic acid, C-terminal-lysine-clipped], anti-(human CD40 antigen) (human-Oryctolagus cuniculus monoclonal APX005M γ 1-chain), disulfide with human-Oryctolagus cuniculus monoclonal APX005M κ -chain, dimer (Source: CAS)
2. immunoglobulin G1-kappa, anti-[*Homo sapiens* CD40 (tumor necrosis factor receptor superfamily member 5, TNFRSF5)], humanized monoclonal antibody; gamma1 heavy chain humanized (1-450) [VH (*Homo sapiens* IGHV3-30*01 (79.8%) -(IGHD) - IGHJ1*01 (90.9%)) CDR-IMGT [8.8.13] (26-33.51-58.97-109) (1-120) -*Homo sapiens* IGHG1*01 G1m17,1 (CH1 K120 (217) (121-218), hinge 1-15 (219-233), CH2 S29>E (270) (234-343), CH3 D12 (359), L14 (361) (344-448), CHS (449-450)) (121-450)], (223-215')-disulfide with kappa light chain humanized (1'-215') [V-KAPPA (*Homo sapiens* IGKV1-27*01 (91%) - IGKJ4*01 (100%)) CDR-IMGT [6.3.13] (27-32.50-52.89-101) (1'-108') -*Homo sapiens* IGKC*01 (100%) Km3 A45.1 (154), V101 (192) (109'-215')]; dimer (229-229":232-232")-bisdisulfide, produced in Chinese Hamster Ovary (CHO)-derived cell line, glycoform alfa (Source: WHO pINN list 123)

STRUCTURAL FORMULA

Heavy chain							
QVQLVESGGG	VVQPGRSLRL	SCAASGFSS	STYVCWVRQA	PGKGLEWVAC	50		
IYTGDTNYS	ASWAKGRFTI	SKDSSKNTVY	LQMNSLRAED	TAVYFCARPD	100		
ITYGFAINFW	GPGLTLTVSS	ASTKGPSVFP	LAPSSKSTSG	GTAALGCLVK	150		
DYFPEPVTVS	WNSGALTSGV	HTFPAVLQSS	GLYSLSSVVT	VPSSSLGTQT	200		
YICNVNHKPS	NTKVDKKEVP	KSCDKTHTCP	PCPAPELLGG	PSVFLFPPKP	250		
KDTLMISRTP	EVTCVVVDVE	HEDPEVKFNW	YVDGVEVHNA	KTKPREEQYN	300		
STYRVVSVLT	VLHQDWLNGK	EYKCKVSNKA	LPAPIEKTIS	KAKGQPREPQ	350		
VYTLPPSRDE	LTKNQVSLTC	LVKGFYPSDI	AVEWESNGQP	ENNYKTTTPV	400		
LDSDGSFFLY	SKLTVDKSRW	QQGNVFCSV	MHEALHNHYT	QKSLSLSPG	449		
Light chain							
DIQMTQSPSS	LSASVGDRVVT	IKCQASQSI	SRLAWYQQKP	GKPPKLLIYR	50'		
ASTLASGVPS	RFSGSGSGTD	FTLTISSLQP	EDVATYYCQC	TGYGISWPIG	100'		
GGTKVEIKRT	VAAPSVFIFP	PSDEQLKSGT	ASVCLLNLF	YPREAKVQWK	150'		
VDNALQSGNS	QESVTEQDSK	DSTYLSSTL	TLSKADYEKH	KVYACEVTHQ	200'		
GLSSPVTKSF	NRGEC				215'		
Disulfide bridges							
22-96	22''-96''	23'-88'	23'''-88'''	35-50	35''-50''	135'-195'	135'''-195'''
147-203	147''-203''	223-215'	223'''-215'''	229-229''	232-232''	264-324	264'''-324'''
370-428	370''-428''						
Glycosylation sites (N)							
450	450''						

MOLECULAR FORMULA	C ₆₄₁₂ H ₉₉₇₀ N ₁₇₀₈ O ₁₉₉₃ S ₄₆
MOLECULAR WEIGHT	144.3 kDa
TRADEMARK	None as yet
SPONSOR	Apexigen Inc.
CODE DESIGNATIONS	APX005M
<u>CAS</u> REGISTRY NUMBER	2305607-45-6
UNII	JEA93WJ5DG
WHO NUMBER	11472

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