

STATEMENT ON A NONPROPRIETARY NAME ADOPTED BY THE USAN COUNCIL

USAN (KL-99) ULILEDLIMAB
 PRONUNCIATION ue" li led' li mab
 THERAPEUTIC CLAIM Antineoplastic

CHEMICAL NAMES

1. Immunoglobulin G1 [300-alanine], anti-(human CD73 antigen) (human-Mus musculus monoclonal TJ004309 γ 1-chain), disulfide with human-Mus musculus monoclonal TJ004309 κ -chain, dimer (Source: CAS)
2. Immunoglobulin G1-kappa, anti-[*Homo sapiens* NT5E (5'-nucleotidase ecto, 5' nucleotidase, NT5, eN, eNT NTE, CALJA, CD73)], monoclonal antibody; gamma1 heavy chain (1-450) [VH (*Homo sapiens* IGHV4-38-2*01 (87.6%) - (IGHD) -IGHJ6*01 (100%)) CDR-IMGT [9.7.13] (26-34.52-58.97-109) (1-120) - *Homo sapiens* IGHG1*03v, G1m3>G1m17, nG1m1 (CH1 R>K 120 (217) (121-218), hinge 1-15 (219-233), CH2 N84.4>A (300) (234-343), CH3 E12 (359), M14 (361) (344-448), CHS(449-450)) (121-450)], (223-213')-disulfide with kappa light chain (1'-215') [V-KAPPA (*Mus musculus* IGKV4-72*01 (81.1%) - IGKJ1*01 (90.9%) L124>V (103)/*Homo sapiens* IGKV3-11*01 (77.9%) - IGKJ4*01 (100%)) CDR-IMGT [5.3.9] (26-31.59-51.88-96) (1'-106') -*Homo sapiens* IGKC*01 (100%), Km3 A45.1 (152), V101 (190) (107'-213')]; dimer (229-229":232-232")-bisdisulfide, produced in a Chinese hamster ovary (CHO)-K1 cell line, non-glycosylated (Source: WHO pINN list 124)

STRUCTURAL FORMULA

Heavy chain X, X''

| | | | | | |
|------------|-------------|------------|------------|-------------|-----|
| EVQLQESGPG | LVKPSSETLSL | TCAVSGYSIT | SGYYWNWIRQ | PPGKKLEWMG | 50 |
| YINYGGNGY | NPSLKSRTI | SRDTSKNQFS | LKLSSVTAAD | TAVYYCARDY | 100 |
| DAYYEALDDW | GQGTTVTVSS | ASTKGPSVFP | LAPSSKSTSG | GTAALGCLVK | 150 |
| DYFPEPVTVS | WNSGALTSGV | HTFPAVLQSS | GLYSLSSVVT | VPSSSLGTQT | 200 |
| YICNVNHKPS | NTKVDKKVEP | KSCDKTHTCP | PCPAPELLGG | PSVFLFPPKP | 250 |
| KDTLMISRTP | EVTCVVDVDS | HEDPEVKFNW | YVDGVEVHNA | KTKPREEQYA | 300 |
| STYRVVSVLT | VLHQDWLNGK | EYKCKVSNKA | LPAPIEKTIS | KAKGQPREPQ | 350 |
| VYTLPPSREE | MTKNQVSLTC | LVKGFYPSDI | AVEWESNGQP | ENNYKTTTPPV | 400 |
| LDSGDSFFLY | SKLTVDKSRW | QQGNVFCSCV | MHEALHNHYT | QKSLSLSPGK | 450 |

Light chain X', X'''

| | | | | | |
|------------|------------|------------|------------|------------|------|
| EIVLSQSPAT | LSLSPGERAT | LSCRASSRVN | YMHWYQQKPG | QSPRPWISAT | 50' |
| SNLASGVPAR | FSGSGSGTSY | TLTISSLEPE | DFAVYYCQQW | SSNPPTFGGG | 100' |
| TKVEIKRTVA | APSVFIFPPS | DEQLKSGTAS | VVCLLNNFYP | REAKVQWKVD | 150' |
| NALQSGNSQE | SVTEQDSKDS | TYSLSSLTLL | SKADYEKHKV | YACEVTHQGL | 200' |
| SSPVTKSFNR | GEC | | | | 213' |

Disulfide bridges

| | | | | | | | |
|----------|--------------|-----------|-------------|-----------|---------------|---------|-------------|
| 22-96 | 22''-96'' | 23'-87' | 23'''-87''' | 133'-193' | 133'''-193''' | 147-203 | 147''-203'' |
| 223-213' | 223''-213''' | 229-229'' | 232-232'' | 264-324 | 264''-324'' | 370-428 | 370''-428'' |

Glycosylation sites (N)

| | |
|-----|-------|
| 300 | 300'' |
|-----|-------|

MOLECULAR FORMULA

C₆₄₃₀H₉₉₀₈N₁₇₀₄O₂₀₂₂S₄₂

| | |
|----------------------------|---------------------------|
| MOLECULAR WEIGHT | 145.0 kDa |
| TRADEMARK | None as yet |
| SPONSOR | I-Mab Biopharma Co., Ltd. |
| CODE DESIGNATIONS | TJ004309 |
| <u>CAS</u> REGISTRY NUMBER | 2378407-27-1 |
| UNII | 3OX1DBR75G |
| WHO NUMBER | 11597 |

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