

## **5. SUBJECT ELIGIBILITY**

### **5.1. Inclusion Criteria**

101) Pathologically confirmed MCL, with documentation of either overexpression of cyclin D1 or presence of t(11;14)

102) Up to 5 prior regimens for MCL. Prior therapy must have included:

- Anthracycline or bendamustine-containing chemotherapy, and
- Anti-CD20 monoclonal antibody therapy, and
- Ibrutinib or acalabrutinib

103) Relapsed or refractory disease, defined by the following:

- Disease progression after last regimen, or
- Refractory disease is defined failure to achieve a partial response (PR) or CR to the last regimen

104) At least 1 measurable lesion. Lesions that have been previously irradiated will be considered measurable only if progression has been documented following completion of radiation therapy

- If the only measurable disease is lymph node disease, at least 1 lymph node should be  $\geq 2$  cm

105) Magnetic resonance imaging (MRI) of the brain showing no evidence of central nervous system (CNS) lymphoma

106) At least 2 weeks or 5 half-lives, whichever is shorter, must have elapsed since any prior systemic therapy or BTKi (ibrutinib or acalabrutinib) at the time the subject is planned for leukapheresis, except for systemic inhibitory/stimulatory immune checkpoint therapy. At least 3 half-lives must have elapsed from any prior systemic inhibitory/stimulatory immune checkpoint molecule therapy at the time the subject is planned for leukapheresis (eg, ipilimumab, nivolumab, pembrolizumab, atezolizumab, OX40 agonists, 4-1BB agonists)

107) Toxicities due to prior therapy must be stable and recovered to  $\leq$  Grade 1 (except for clinically non-significant toxicities such as alopecia)

108) Age 18 years or older

109) Eastern Cooperative Oncology Group (ECOG) performance status of 0 or 1

110) Absolute neutrophil count (ANC)  $\geq 1\ 000/\mu\text{L}$

111) Platelet count  $\geq 75\ 000/\mu\text{L}$

112) Absolute lymphocyte count  $\geq 100/\mu\text{L}$

113) Adequate renal, hepatic, pulmonary, and cardiac function defined as:  
— Creatinine clearance (as estimated by Cockcroft Gault)  $\geq 60$  cc/min  
— Serum alanine aminotransferase/aspartate aminotransferase  $\leq 2.5$  upper limit of normal (ULN)  
— Total bilirubin  $\leq 1.5$  mg/dl, except in subjects with Gilbert's syndrome  
— Cardiac ejection fraction  $\geq 50\%$ , no evidence of pericardial effusion as determined by an echocardiogram (ECHO), and no clinically significant electrocardiogram (ECG) findings  
— No clinical significant pleural effusion  
— Baseline oxygen saturation  $> 92\%$  on room air

114) Females of childbearing potential must have a negative serum or urine pregnancy test. Females who have undergone surgical sterilization or who have been postmenopausal for at least 2 years are not considered to be of childbearing potential.

## **5.2. Exclusion Criteria**

201) History of malignancy other than nonmelanomatous skin cancer or carcinoma in situ (eg, cervix, bladder, breast) unless disease-free for at least 3 years

202) AutoSCT within 6 weeks of planned **KTE-X19** or **axicabtagene ciloleucel** infusion

203) History of allogeneic stem cell transplantation

204) Prior CD19 targeted therapy with the exception of subjects who received **KTE-X19** or **axicabtagene ciloleucel** in this study and are eligible for re-treatment

205) Prior CAR therapy or other genetically modified T-cell therapy

206) History of severe, immediate hypersensitivity reaction attributed to aminoglycosides

207) Presence of fungal, bacterial, viral, or other infection that is uncontrolled or requiring intravenous (IV) antimicrobials for management. Simple urinary tract infection (UTI) and uncomplicated bacterial pharyngitis are permitted if responding to active treatment and after consultation with the Kite medical monitor

208) History of human immunodeficiency virus (HIV) infection or acute or chronic active hepatitis B or C infection. Subjects with a history of hepatitis infection must have cleared their infection as determined by standard serological and genetic testing.

209) Presence of any in-dwelling line or drain (eg, percutaneous nephrostomy tube, in-dwelling Foley catheter, biliary drain, or pleural/peritoneal/pericardial catheter). Ommaya reservoirs and dedicated central venous access catheters, such as a Port-a-Cath or Hickman catheter, are permitted

210) Subjects with detectable cerebrospinal fluid malignant cells or brain metastases or with a history of CNS lymphoma, cerebrospinal fluid malignant cells, or brain metastases

**KTE-C19-102 Kite Pharma, Inc.**  
**Clinical Protocol Final**  
**CONFIDENTIAL**  
**Amendment # 6, 29 October 2018**

- 211) History or presence of CNS disorder, such as seizure disorder, cerebrovascular ischemia/hemorrhage, dementia, cerebellar disease, cerebral edema, posterior reversible encephalopathy syndrome, or any autoimmune disease with CNS involvement
- 212) History of myocardial infarction, cardiac angioplasty or stenting, unstable angina, **active arrhythmias**, or other clinically significant cardiac disease within 12 months of enrollment
- 213) Subjects with cardiac atrial or cardiac ventricular lymphoma involvement
- 214) History of symptomatic deep vein thrombosis or pulmonary embolism within the last 6 months of enrollment
- 215) Possible requirement for urgent therapy due to ongoing or impending oncologic emergency (eg, tumor mass effect, tumor lysis syndrome)
- 216) Primary immunodeficiency
- 217) Any medical condition likely to interfere with assessment of safety or efficacy of study Treatment
- 218) History of severe immediate hypersensitivity reaction to any of the agents used in this study
- 219) Live vaccine  $\leq$  6 weeks prior to planned start of conditioning regimen
- 220) Women of childbearing potential who are pregnant or breastfeeding because of the potentially dangerous effects of the preparative chemotherapy on the fetus or infant
- 221) Subjects of both genders who are not willing to practice birth control from the time of consent through 6 months after the completion of **KTE-X19 or axicabtagene ciloleucel infusion**
- 222) In the investigator's judgment, the subject is unlikely to complete all protocol-required study visits or procedures, including follow-up visits, or comply with the study requirements for participation.
- 223) History of autoimmune disease (eg Crohn's disease, rheumatoid arthritis, systemic lupus) resulting in end organ injury or requiring systemic immunosuppression/systemic disease modifying agents within the last 2 years