

# BUDOPRUTUG, A LOW-FUCOSYLATED ANTI-CD19 MONOCLONAL ANTIBODY, IN ADULTS WITH PRIMARY IMMUNE THROMBOCYTOPENIA: INITIAL PHASE 1B STUDY RESULTS



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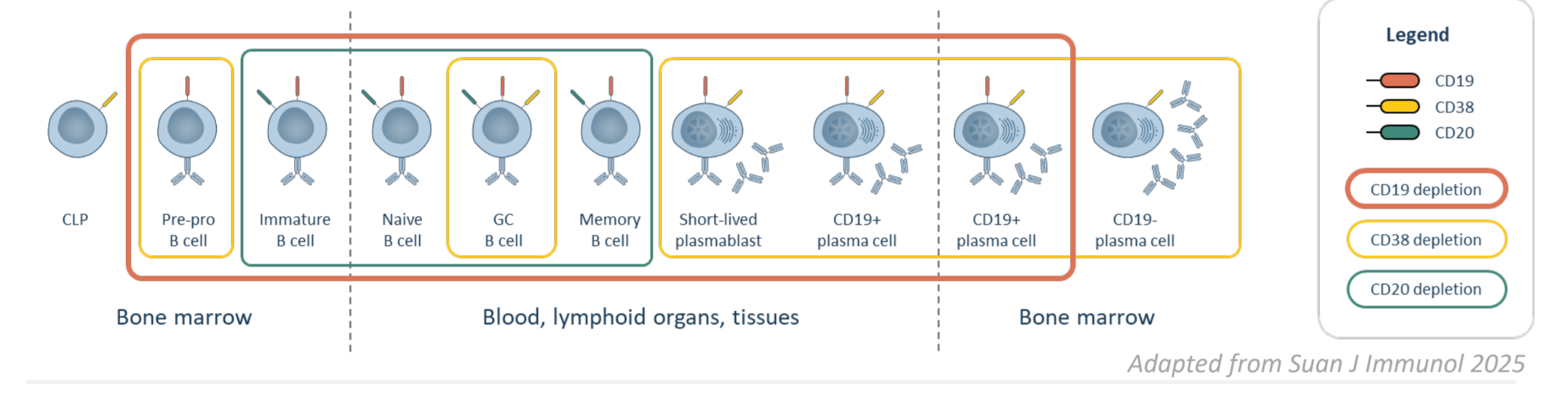
## BACKGROUND & SIGNIFICANCE

### IMMUNE THROMBOCYTOPENIA

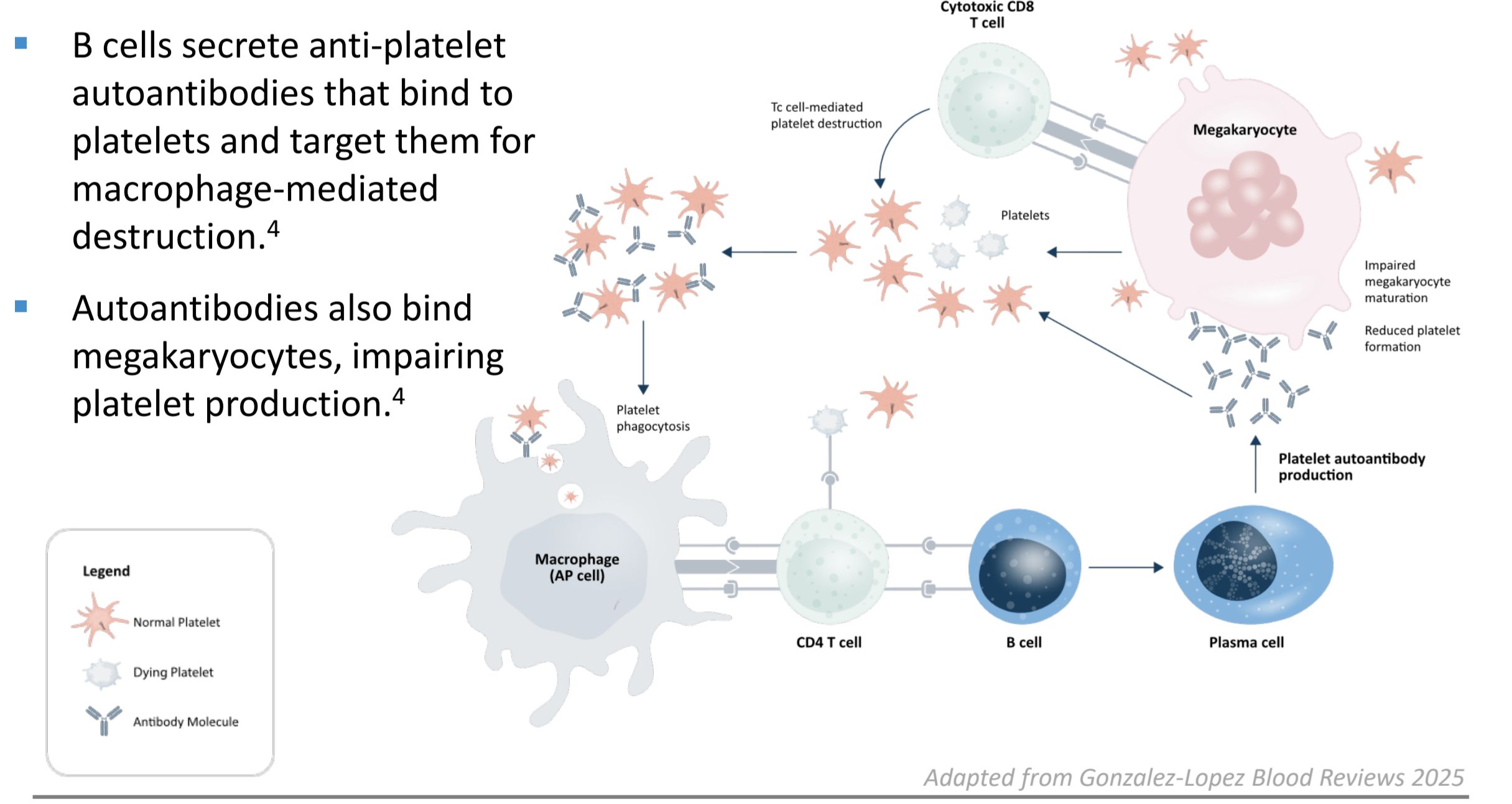
- Immune thrombocytopenia (ITP) is a rare autoantibody-mediated disorder characterized by reduced platelets and increased risk of bleeding.<sup>1,2</sup>
- 80% of patients with ITP fail first line therapy, and 40% fail second line, often requiring multiple lines of treatment.<sup>1,2</sup>

### CD19 RATIONALE IN ITP

- CD19 is expressed from the early pro-B stage through maturation and differentiation to plasmablasts and on plasma cell subsets, providing the potential for budoprutug to provide deep and sustained depletion of B cells, including autoantibody-producing cells.<sup>3</sup>

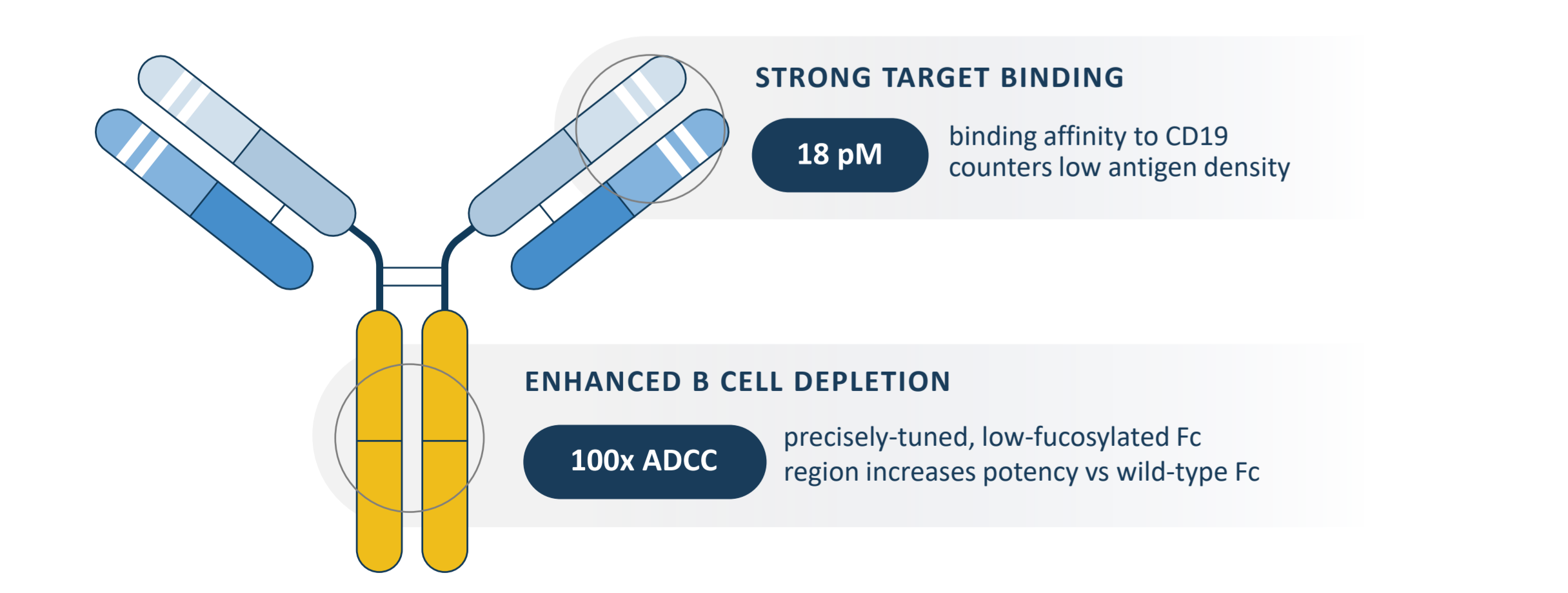


- Targeting CD19 has the potential to eliminate pathogenic, autoantibody producing B cells, which are a critical disease driver in ITP.<sup>4</sup>

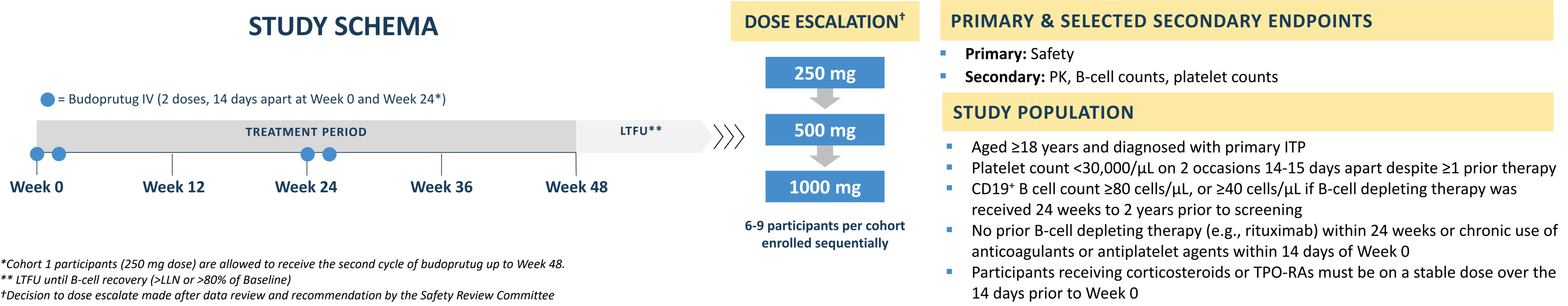


## BUDOPRUTUG

- Budoprutug (TNT119) is an investigational anti-CD19 mAb bioengineered with picomolar binding affinity for CD19 and a low-fucosylated Fc region for enhanced ADCC.
- In an early clinical study in patients with primary membranous nephropathy, another autoantibody-mediated condition, budoprutug demonstrated rapid and sustained B-cell depletion, immunological remission, and resolution of proteinuria.<sup>5,6</sup>



## STUDY OVERVIEW



\*Cohort 1 participants (250 mg dose) are allowed to receive the second cycle of budoprutug up to Week 48. \*\* LTFU until B-cell recovery (>LLN or >80% of Baseline) \*Decision to dose escalate made after data review and recommendation by the Safety Review Committee

## RESULTS

### PARTICIPANT DEMOGRAPHICS AND CHARACTERISTICS

Data as of June 1 <sup>st</sup> , 2026	250 mg (N=6)	500 mg (N=9)
Age (median, range)	42 (22-75)	41 (18-58)
Gender (M/F)	2/4	5/4
Time since diagnosis (median, range)	6.5 years (0.5-12)	15 years (0.6-40)
Prior lines of therapy (median, range)	7.5 (4-18)	6 (2-15)
Prior therapy:		
Corticosteroids (n)	6	9
IVIg (n)	2	5
TPO-RA (n)	4	7
Rituximab (n)	4	2
Splenectomy (n)	0	1
Baseline:		
Platelet count x10 <sup>3</sup> /μL (median, range)	13 (4-29)	7 (2.5-12)
CD19 <sup>+</sup> B-cells/μL (median, range)	117.5 (87-287)	156 (82-343)

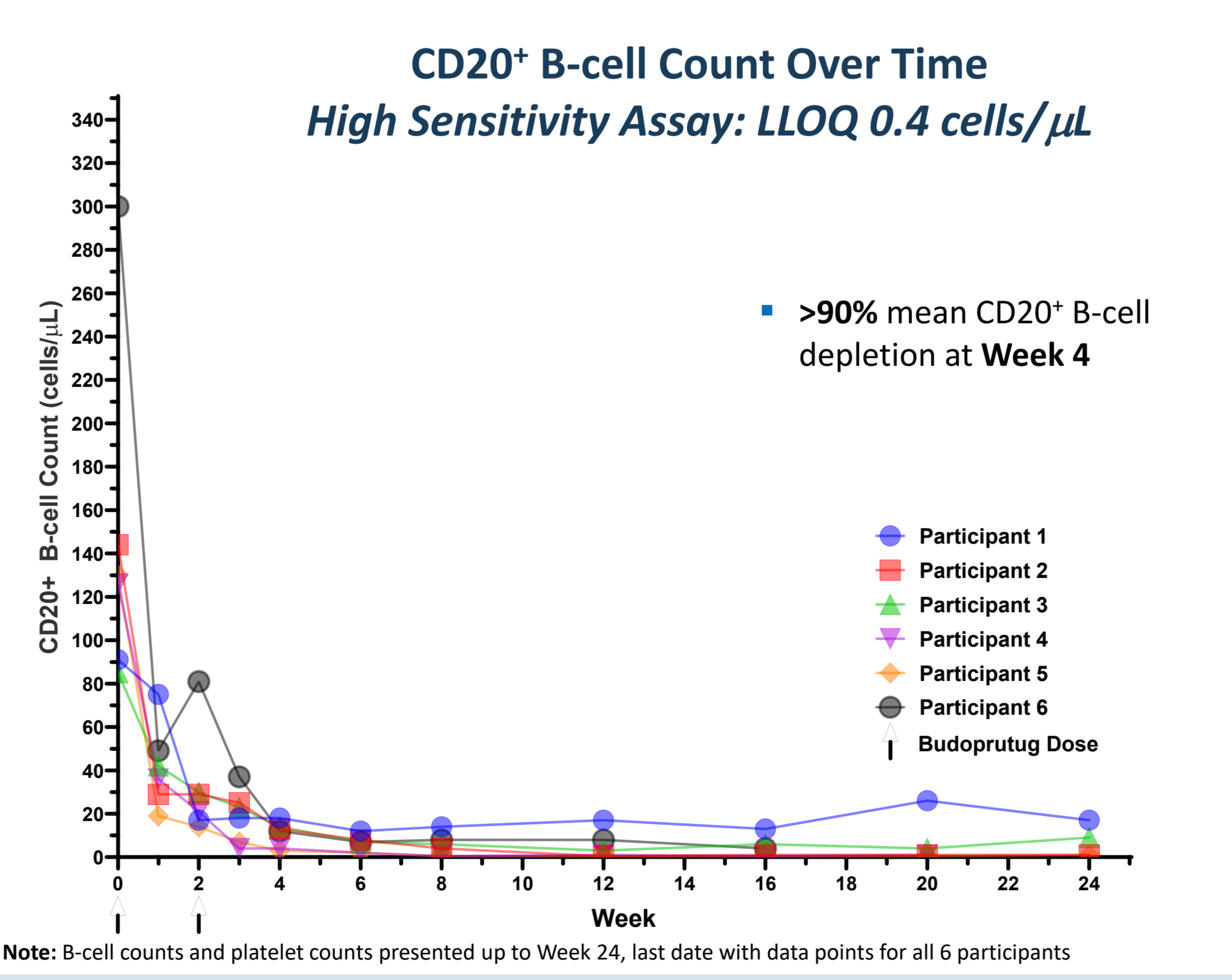
### 250 mg and 500 mg COHORTS: STUDY POPULATION

- As of June 1, 2026 a total of 15 participants were enrolled in the 250 mg and 500 mg dose cohorts
- Both cohorts represent patients with heavily pretreated, persistent or chronic ITP, with these notable differences:
  - Participants in 250 mg cohort had greater prior rituximab exposure compared to participants in 500 mg cohort
  - Participants in the 500 mg cohort had a longer disease duration (median 15 years vs 6.5 years)

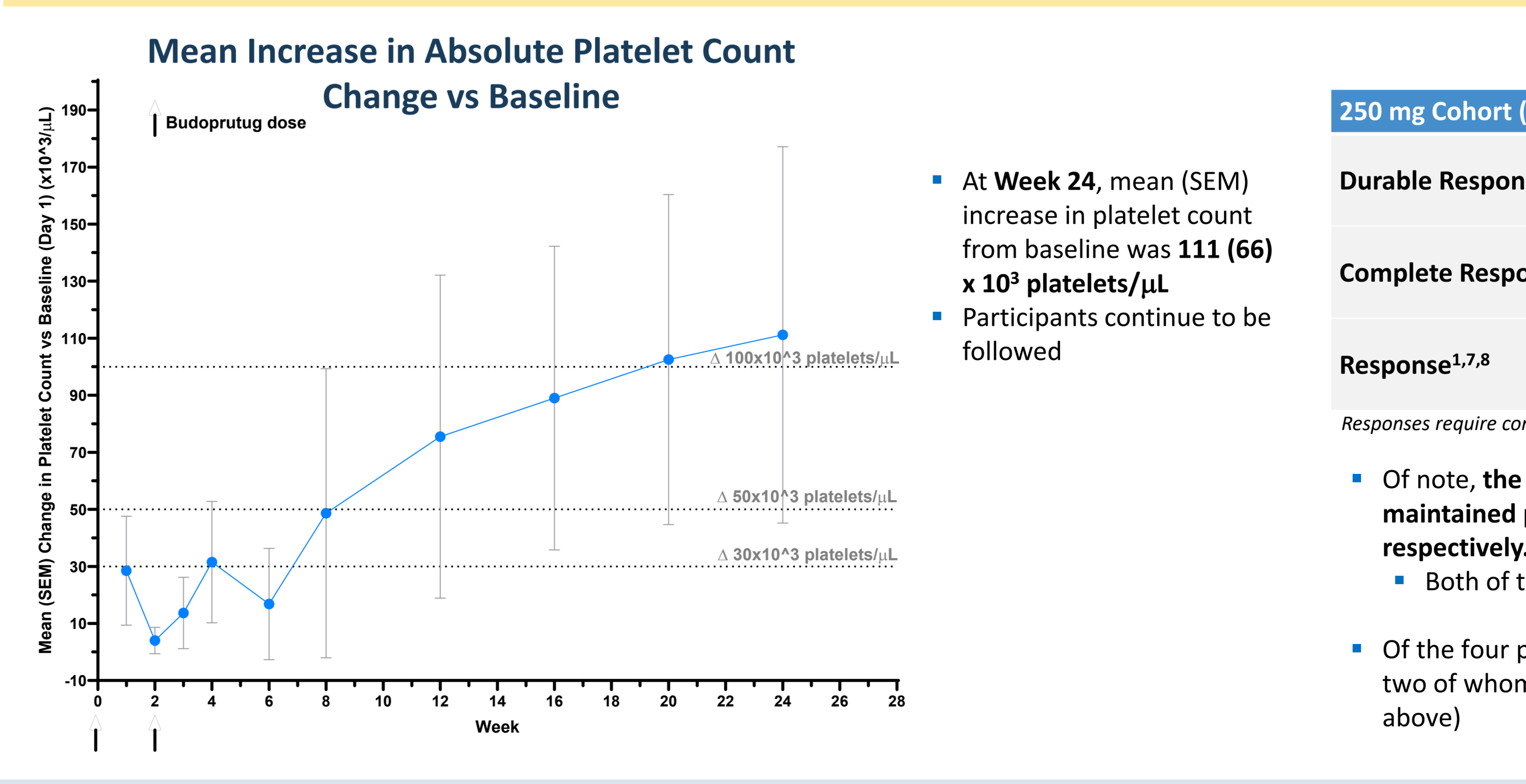
### 250 mg and 500 mg COHORTS: SAFETY AND TOLERABILITY

- Median (range) follow-up for participants in Cohort 1 and 2: 38 weeks (28-44), and 12 weeks (3-20), respectively
- Overall, budoprutug was generally safe and well tolerated in participants receiving 250 mg and 500 mg doses
  - No serious adverse events (SAEs) or deaths were reported
  - All adverse events (AEs) were Grade 1 to Grade 2 per NCI CTCAE Version 5.0
    - Majority of AEs belonged to the gastrointestinal System Organ Class
  - There were no treatment discontinuations due to an AE
  - No infusion-related reactions
  - No participants had hypogammaglobulinemia

### 250 mg COHORT EFFICACY: B-CELL DEPLETION



### 250 mg COHORT EFFICACY: PLATELET RESPONSE



## CONCLUSIONS

- Safety data to date indicate **acceptable safety and tolerability profile**; no SAEs, or AEs leading to discontinuations
- B-cell levels were depleted** by average of >90% by Week 4 in the low dose cohort
- Durable response** achieved in 4/6 participants in low dose cohort, with 2/6 experiencing platelet levels ≥100 x 10<sup>3</sup>/μL for 24+ weeks (follow-up continues)
- Low dose cohort results to date support **continued clinical evaluation of budoprutug in ITP**
- Enrollment in the 1000 mg dose cohort is ongoing



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ADCC antibody-dependent cellular cytotoxicity; BL baseline; Ig immunoglobulin; IV intravenous; IVIg intravenous immunoglobulin; LLN lower level of normal; LTFU long-term follow-up; mAb monoclonal antibody; PK pharmacokinetics; SEM standard error of the mean; TPO-RA thrombopoietin receptor agonists

**REFERENCES**  
 1. Neunert Blood Adv 2019; 2. Gafter-Gvili Euro J Int Med 2023; 3. Suan J Immunol 2025; 4. Gonzalez-Lopez Blood Reviews 2025; 5. Cortazar ASN 2024; 6. Cortazar ASN 2025; 7. Neunert Blood Adv 2024; 8. Rodeghiero Blood 2009

**ADDITIONAL INFORMATION**  
 NCT07043946  
<https://clinicaltrials.gov/study/NCT07043946>

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