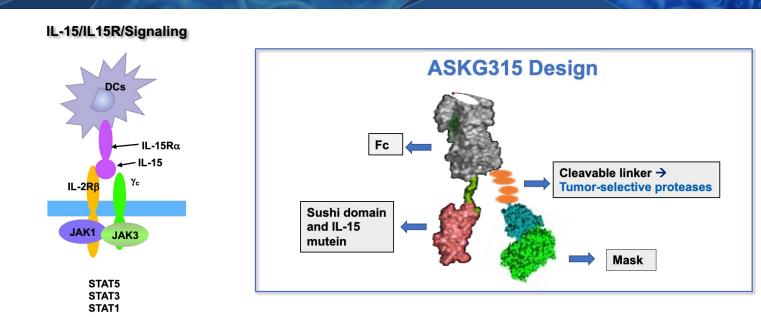


# ASKG315 – An IL-15 Prodrug with Antibody-Like PK, Enhanced Safety and Expanded Therapeutic Window

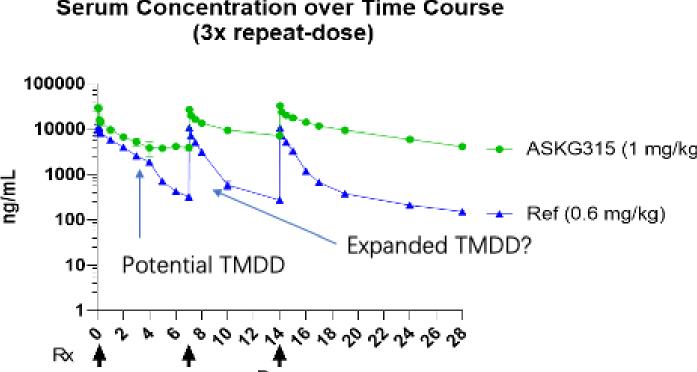
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- therapeutics has been hampered due to short PK, severe systemic toxicity, and narrow therapeutic window
- systemic toxicities.
- -Cytokines often show target-medicated drug disposition (TMDD) when dosed systemically.
- during a 10-day continuous infusion<sup>1</sup>
- It is a challenge to develop a dosing strategy for cytokine molecules including antibody-cytokine fusion molecules<sup>2</sup>.
- cytokine molecule dominantly control the destinations of the fusion molecules.
- disease site in a selective and controlled manner.
- ✤ ASKG315 is the first IL-15 prodrug moving into clinical development.









Group	Tumor growth Suppression on Day 18		
icle	-		
-PD-1	16.3% ( <b>0 death</b> )		
-PD-1 + Reference 0.5 mg/kg	38.0% ( <b>3 death</b> )		
-PD-1 + ASKG315 0.3 mg/kg	40.5% ( <b>0 death</b> )		
-PD-1 + ASKG315 1 mg/kg	73.6% ( <b>1 death</b> )		
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Study Design			
Animal	A total of 40 cynomolgus monkeys (20M, 20F, age 3-5 years)		
Dose	0, low, med, or high every 2 weeks for 3 doses		

Group	Group Designation	Study Design			
Numbers		Male	Female	Dosing	Necropsy
1	Control	5	5		<ul> <li>Six days after the last dose: 3/sex</li> <li>End of recovery (28 days after the last dose): 2/sex</li> </ul>
2	Low Dose	5	5	Day	
3	Mid Dose	5	5	1, 15, 29	
4	High Dose	5	5		

		ALCONDUCTION A	
	ASKG315	Reference	
ootency (PBMC)	Over 10X (activated)	1X	
cytokine sink"	Υ	Ν	
elective immune stimulation	Y	Ν	
2 in Cyno Monkey	10 Days	1-2 Days	
e (AUC) at highest dosage in Cyno	20X of ref	1X	
expansion at the highest tolerable no monkey)	~12X of vehicle	less	
of NK cell expansion at the highest dose (cyno monkey)	~3 weeks	shorter	
utic window	ASKG315 has significantly expanded therapeutic window vs Reference		

1.Colon et al., Clin Cancer Res. 2019 Aug 15; 25(16): 4945–4954)

2.Grimm et al., PAGE 25 (2016) Abstr 5861 [www.page-meeting.org/?abstract=5861]).