DKN-01, a Therapeutic DKK1 Neutralizing Antibody, Has Immune Modulatory Activity in Nonclinical Tumor Models

Michael Haas¹, Heidi Heath¹, Franziska Schurpf-Huber¹, Lane Newman¹, Yinyuan Wu², Xinjun Zhang², Samuel Klempner³, Johanna Bendell⁴, Victoria Villaflor⁵, Laura Tenner⁶, Stacey Stein⁷, Katia Schlienger⁸, John Strickler⁹, Cynthia Sirard¹, Xi He², Christopher Mirabelli¹, Walter Newman¹ and Michael Kagey¹

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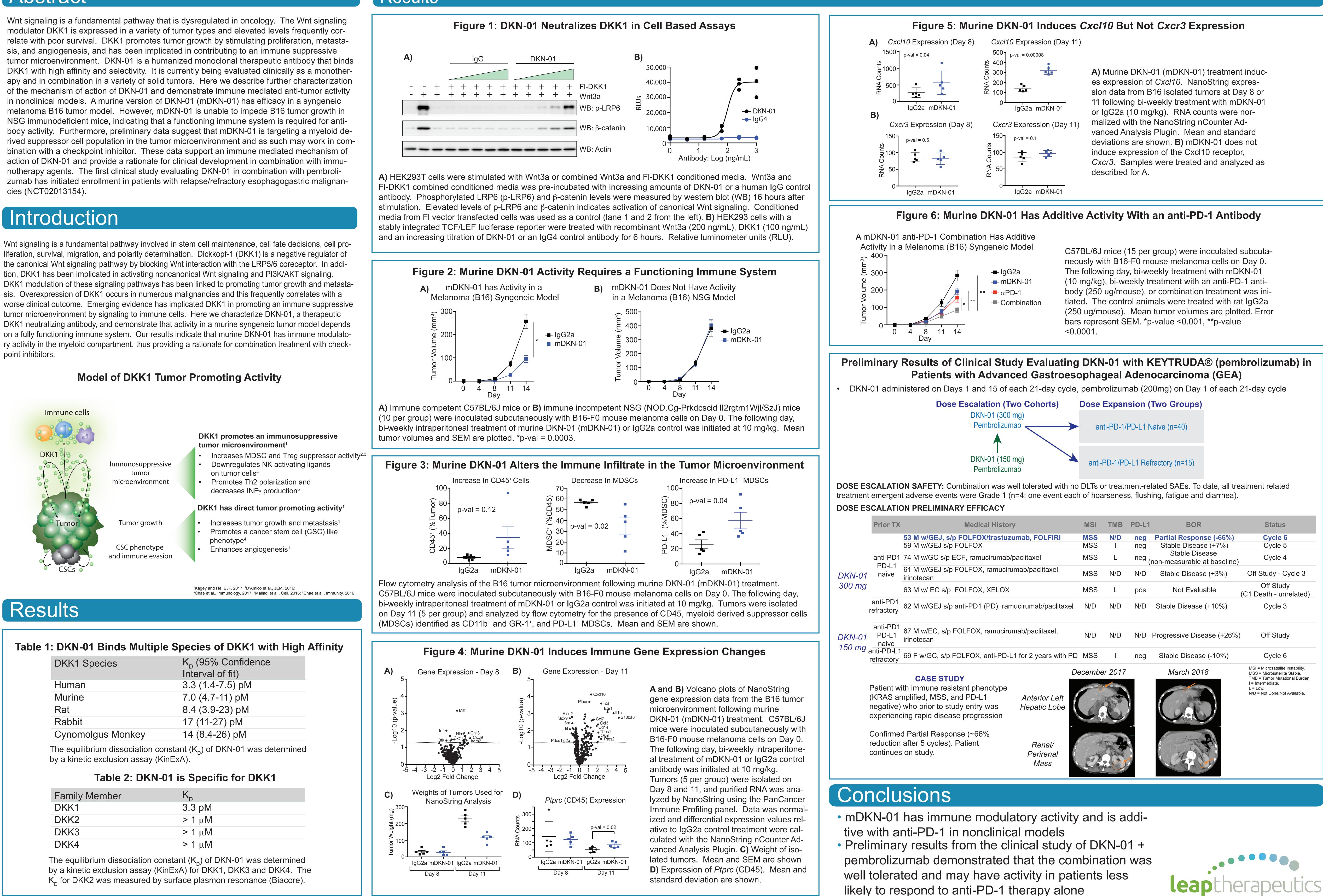
¹Leap Therapeutics, Cambridge, MA; ²Boston Children's Hospital, Harvard Medical School Boston, MA; ³The Angeles Clinic and Research Institute, Los Angeles, CA; ⁴Sarah Cannon Research Institute/Tennessee Oncology, Nashville, TN; ⁵Northwestern University, Chicago, IL; ⁶University of Texas Health Science Center, San Antonio, TX; ⁷Yale School of Medicine, New Haven, CT; ⁸Merck & Co., Inc., Rahway, NJ; ⁹Duke University Medical Center, Durham, NC

Abstract

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Introduction

tion, DKK1 has been implicated in activating noncanonical Wnt signaling and PI3K/AKT signaling. point inhibitors.



Results

DKK1 Species	K _D (95% Confidence		
	Interval of fit)		
Human	3.3 (1.4-7.5) pM		
Murine	7.0 (4.7-11) pM		
Rat	8.4 (3.9-23) pM		
Rabbit	17 (11-27) pM		
Cynomolgus Monkey	14 (8.4-26) pM		
The equilibrium dissociation cons by a kinetic exclusion assay (Kin	stant (K _D) of DKN-01 was determined ExA).		

Family Member	K _D
DKK1	3.3 pM
DKK2	> 1 μM
DKK3	> 1 μM
DKK4	> 1 μM

Results

Clinical study ongoing NCT02013154

nab/paclit ucirumab OX ramuciru cirumab/						
nab/paclit ucirumab OX ramuciru cirumab/		MSI	TMB	PD-L1	BOR	Status
ucirumab OX ramuciru cirumab/	b, FOLFIRI	MSS	N/D	neg	Partial Response (-66%)	Cycle 6
ucirumab OX ramuciru cirumab/		MSS		neg	Stable Disease (+7%)	Cycle 5
OX ramuciru cirumab/	taxel	MSS	L	neg (Stable Disease non-measurable at baseline)	Cycle 4
ramuciru cirumab/	p/paclitaxel,	MSS	N/D	N/D	Stable Disease (+3%)	Off Study - Cycle 3
cirumab/		MSS	L	pos	Not Evaluable	Off Study (C1 Death - unrelated)
	umab/paclitaxel	N/D	N/D	N/D	Stable Disease (+10%)	Cycle 3
PD-L1 for	/paclitaxel,	N/D	N/D	N/D	Progressive Disease (+26%)	Off Study
	⁻ 2 years with PI	D MSS	I	neg	Stable Disease (-10%)	Cycle 6
	Interior Left epatic Lobe	Decembe	r 2017		<section-header></section-header>	MSI = Microsatellite Instability. MSS = Microsatellite Stable. TMB = Tumor Mutational Burden. I = Intermediate. L = Low. N/D = Not Done/Not Available.
	Renal/ Perirenal Mass					