

**S2 Table. Incidence and duration of absolute neutropenia (neutrophil count <10 cells/ $\mu$ L) in lethally irradiated NHPs treated with vehicle or entolimod**

Study	Irradiation dose	Entolimod dose, $\mu$ g/kg	Injection time(s) relative to TBI, h	Group size (n)	Mean % live days $\pm$ SE with absolute neutropenia	P-value <sup>A</sup>	Incidence of absolute neutropenia	P-value <sup>B</sup>
Rs-03	$\sim$ LD <sub>75/40</sub> (6.5 Gy) <sup>C</sup>	0 (vehicle)	+1	10	16% $\pm$ 4%	-	80%	-
		40	+1	10	1% $\pm$ 1%	<b>0.002</b>	0%	<b>0.001</b>
Rs-06	$\sim$ LD <sub>75/40</sub> (6.5 Gy) <sup>C</sup>	0 (vehicle)	+16	8	15% $\pm$ 3%	-	88%	-
		40	+16	12	3% $\pm$ 2%	<b>0.01</b>	25%	<b>0.02</b>
		40	+25	10	6% $\pm$ 2%	<b>0.03</b>	50%	>0.05
		40	+48	12	8% $\pm$ 3%	0.11	50%	>0.05
Rs-09	$\sim$ LD <sub>50/40</sub> (6.75 Gy) <sup>D</sup>	0 (vehicle)	+1	18	10% $\pm$ 2%	-	78%	-
		0.3	+1	18	11% $\pm$ 3%	0.74	72%	>0.05
		3	+1	18	7% $\pm$ 2%	0.39	50%	>0.05
		10	+1	18	4% $\pm$ 1%	<b>0.02</b>	56%	>0.05
Rs-14	$\sim$ LD <sub>50/40</sub> (6.75 Gy) <sup>D</sup>	0 (vehicle)	+25	10	6% $\pm$ 2%	-	50%	-
		10	+25	10	2% $\pm$ 1%	0.19	30%	>0.05
		40	+25	10	5% $\pm$ 3%	0.84	50%	>0.05
Pooled vehicle vs. $\geq$ 10 $\mu$ g/kg entolimod, +25 h	$\sim$ LD <sub>50-75/40</sub> (6.5-6.75 Gy)	0 (vehicle) <sup>E</sup>	+1 - +25	46	11% $\pm$ 1%	-	74%	-
		$\geq$ 10 <sup>F</sup>	+25	30	4% $\pm$ 1%	<b>0.0003</b>	43%	<b>0.01</b>

<sup>A</sup> P-value by Student's t-test (two-tailed) against vehicle groups in individual studies or in pooled group analysis

<sup>B</sup> P-value by Fisher's exact test (two-tailed) against vehicle groups in individual studies or in pooled group analysis

<sup>C</sup> Source I: Sichuan Atomic Energy Institute, cylindrical bundle of Co-60 rods

<sup>D</sup> Source II: Sichuan Atomic Energy Institute, vertical array of Co-60 rods

<sup>E</sup> Vehicle-treated animals from studies Rs-03, Rs-06, Rs-09, and Rs-14

<sup>F</sup> Entolimod-treated animals from studies Rs-06 and Rs-14