

Ifng-Venus-Luc

Nomenclature	C57BL/6Smoc- <i>Ifng</i> ^{em1(IRES-Venus-Luc)Smoc}
Cat. NO.	NM-KI-18041
Strain State	Embryo cryopreservation

Gene Summary

Gene Symbol Ifng	Synonyms	Ifg IFN-gamma
	NCBI ID	15978
	MGI ID	107656
	Ensembl ID	ENSMUSG00000055170
	Human Ortholog	IFNG

Model Description

An IRES-Venus-Luci co-expression cassette was inserted in 3'UTR region of Ifng gene.

*Literature published using this strain should indicate: Ifng-Venus-Luc mice (Cat. NO. NM-KI-18041) were purchased from Shanghai Model Organisms Center, Inc..

Validation Data

MC38-OVA tumor growth

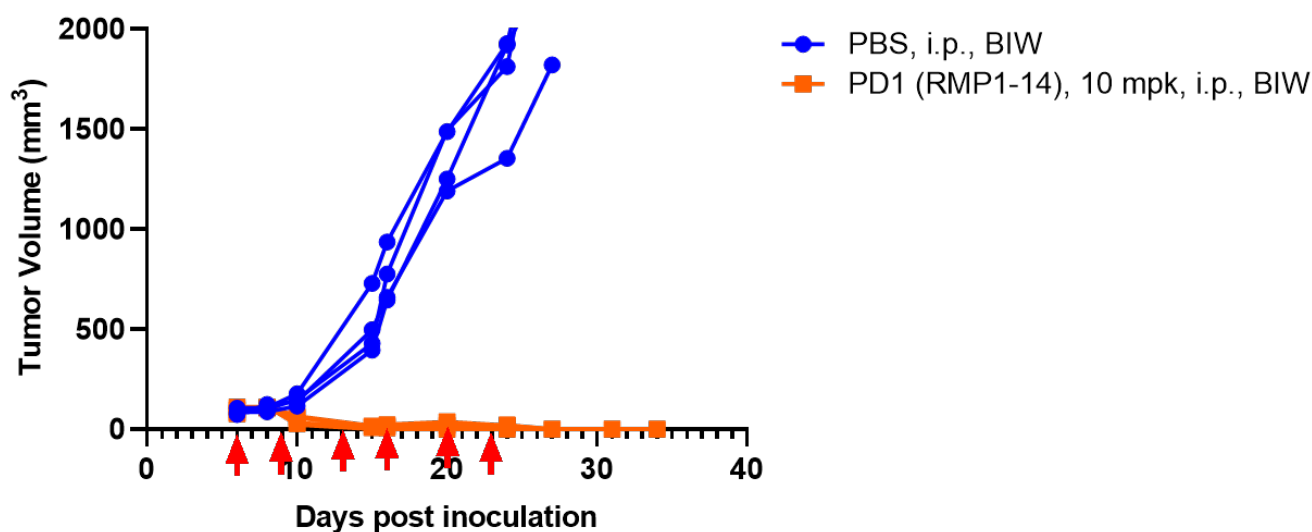


Fig1. MC38-OVA tumor volumes in Ifng-Venus-Luci reporter mice treated or not with anti-PD-1 mAb. Arrows indicate treatment days.

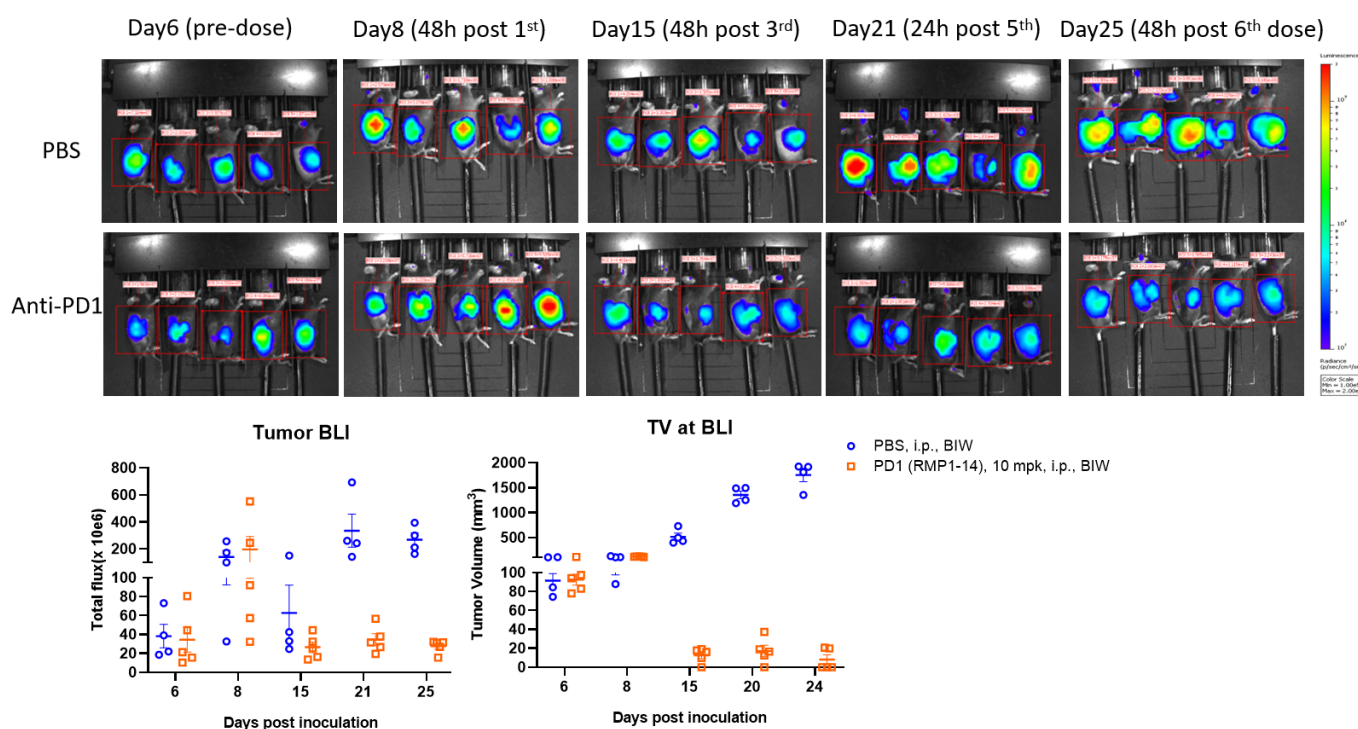


Fig2. In vivo imaging validation of MC38-OVA tumors in Ifng-Venus-Luci reporter mice treated or not with anti-PD-1 mAb.

In PBS treated control tumor, the IFN γ signal increased as the tumor growing. In anti-PD1 treated tumor, increased average BLI (Bioluminescent imaging) of IFN γ was shown 48h post the first dose compared to control group; as the tumor regression upon PD1 treatment, the IFN γ signal in tumor decreased as well.

The data is provided by Crownbio.

