

## TSR-033

Cat. No.:	HY-P99387
CAS No.:	2225940-96-3
Target:	LAG-3
Pathway:	Immunology/Inflammation
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.

### BIOLOGICAL ACTIVITY

<b>Description</b>	TSR-033 is a high affinity human IgG4 antibody targeting LAG-3 (lymphocyte activation gene-3), a co-receptor associated with impaired T cell function and often co-expressed with PD-1, that enhances T cell function and PD-1 blocking activity in vitro and in vivo. TSR-033 has anti-tumor activity <sup>[1]</sup> .
<b>In Vitro</b>	TSR-033 (0.01-1000 nmol/L, 48 h) increases IL2 production by primary human CD4 T cells and dendritic cells and enhanced T cell effector function <sup>[1]</sup> . MCE has not independently confirmed the accuracy of these methods. They are for reference only.
<b>In Vivo</b>	TSR-033(i.p.,10 mg/kg, twice weekly, 40 days) has a moderate inhibitory effect on tumor growth with a TGI of 23% at termination by treatment with alone, while the combination with TSR-042 had a cumulative effect, impeding tumor growth to a greater extent, with a TGI of 45% at termination in A549 HuNOG-EXL NSCLC mice tumor model <sup>[1]</sup> . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

### REFERENCES

[1]. Srimoyee Ghosh, et al. TSR-033, a Novel Therapeutic Antibody Targeting LAG-3, Enhances T-Cell Function and the Activity of PD-1 Blockade In Vitro and In Vivo. Mol Cancer Ther. 2019 Mar;18(3):632-641.

**Caution: Product has not been fully validated for medical applications. For research use only.**

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA