Suppl. Table 1. Comparison of mouse and humanized anti-PD-1 and anti-LAG-3 antibodies used in syngeneic and humanized mouse tumor models

Antibody*	Target	Format	Cell-surface binding	Effect on ligand interaction	Functional *in vitro* effect
Anti-PD-1 (RMP1-14)	Mouse PD-1	Mouse IgG1	Mouse PD-1 transfected CHO-S cells; EC_{50}=3.2 nM	Blocks PD-1 interaction with PD-L1 and PD-L2[§]	Improved T cell cytokine production[#]
Anti-LAG-3 (C9B7W)	Mouse LAG-3	Mouse IgG1	Mouse LAG-3 transfected CHO-S cells; EC_{50}=1.5 nM	Does not inhibit binding of MHC Class II Ig fusion protein to LAG-3 expressing T cell hybridoma[€]	Increases antigen-induced IL-2 release[€]
TSR-042	Human PD-1	Humanized IgG4	Human PD-1 transfected CHO-S cells; EC_{50}=2 nM[¥]	Blocks PD-1 interaction with PD-L1 and PD-L2[¥]	Increases IL-2 production in MLR assay[¥]
TSR-033	Human LAG-3	Humanized IgG4	Human LAG-3 transfected CHO-S cells; EC_{50}=0.8 nM	Blocks LAG-3 Fc interaction with Daudi cells (express high levels of MHC Class II)	Increases IL-2 production in MLR assay

*Please see Materials and Methods for information on the generation of mouse and humanized clones

[§]Reference 25

[#]Lages CS, Lewkowich I, Sproles A, Wills-Karp M, Chougnet C. Partial restoration of T-cell function in aged mice by in vitro blockade of the PD-1/ PD-L1 pathway. Aging Cell 2010;9(5):785-98 doi 10.1111/j.1474-9726.2010.00611.x.

[€]Reference 26

[¥]Reference 29