Validation data for Anti-mPD-L1-mIgG1e3 (10F.9G2) InvivoFit™

www.invivogen.com/recombinant-anti-mouse-pdl1-atezolizumab-10F.9G2-d265a

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Version 24C21-AK

Anti-mPD-L1-mIgG1e3 (10F.9G2) InvivoFit™ is a recombinant monoclonal antibody (mAb) designed for *in vivo* studies in mice. This mAb features the variable region of the previously described anti-mPD-L1 clone 10F.9G2 and the engineered murine IgG1e3 effectorless constant region. The 10F.9G2-derived mAb is highly used in *in vivo* experiments that specifically targets the murine programmed cell death ligand 1 (mPD-L1), blocking its interaction with the receptor, PD-1. The binding capacity of Anti-mPD-L1-mIgG1e3 (10F.9G2) InvivoFit™InvivoFit™ was compared to the atezolizumab-derived Anti-PD-L1 mAb using ELISA and flow cytometry **(Figures 1 & 2)**. Anti-PD-L1-mIgG1e3 (Atezo) InvivoFit™ recognizes both mouse and human PD-L1, unlike Anti-mPD-L1-mIgG1e3 (10F.9G2) InvivoFit™, which is mouse PD-L1-specific **(Figure 1)**.

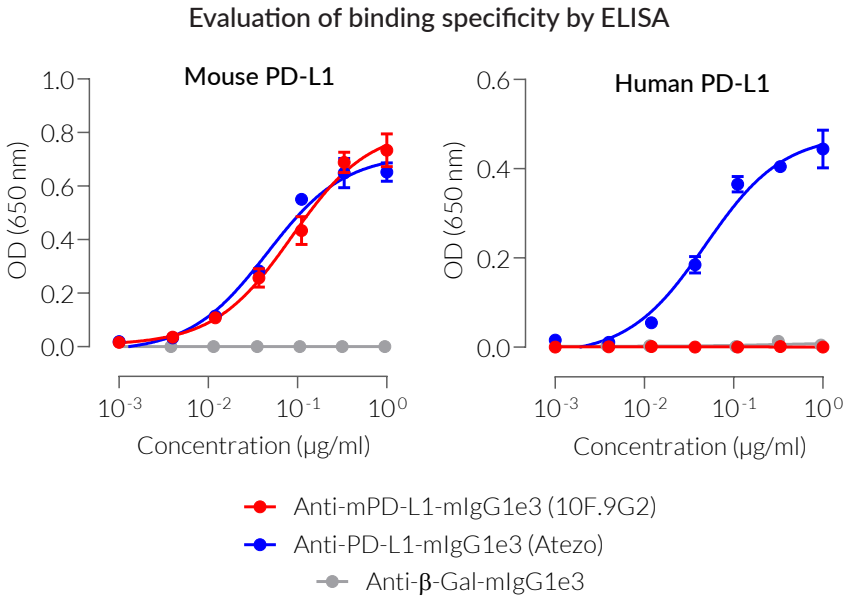

Figure 1. Binding specificity to recombinant mouse or human PD-L1.
Mouse or human PD-L1 (2 µg/ml) was coated on ELISA plates overnight. A 3-fold serial dilution of the Anti-mPD-L1-mIgG1e3 (F10.9G2) InvivoFit™ (red curve), Anti-PD-L1-mIgG1e3 (Atezo) InvivoFit™ (blue curve), or of the Anti-β-Gal-mIgG1e3 control antibody (grey curve) was performed for the capture step. An HRP-labelled anti-mIgG antibody (1/1000 dilution) and the HRP substrate OPD (o-phenylenediamine dihydrochloride) were used for the detection step. Absorbance was read at 650 nm.

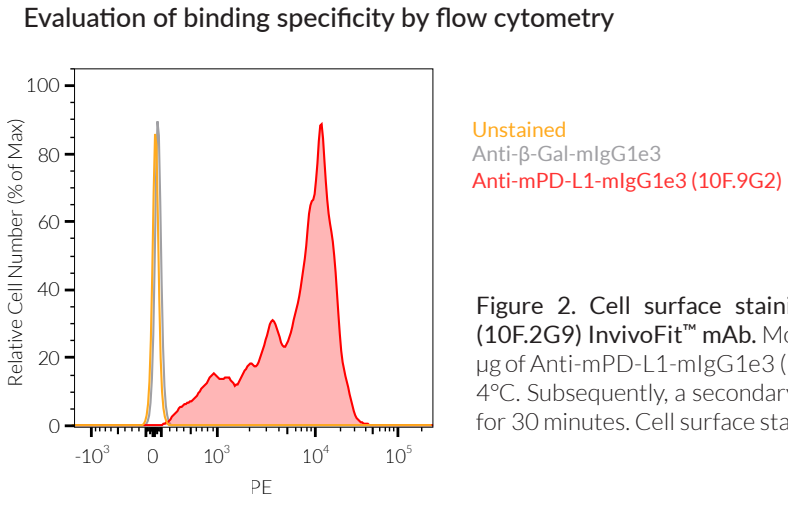

Figure 2. Cell surface staining of mouse PD-L1 using Anti-mPD-L1-mIgG1e3 (10F.2G9) InvivoFit™ mAb. Mouse PD-L1-expressing EL4 cells were incubated with 2 µg of Anti-mPD-L1-mIgG1e3 (10F.9G2) InvivoFit™ mAb or an isotype control for 1h at 4°C. Subsequently, a secondary PE-labeled antibody was added and incubated at 4°C for 30 minutes. Cell surface staining was analyzed by flow cytometry.

TECHNICAL SUPPORT
InvivoGen USA (Toll-Free): 888-457-5873
InvivoGen USA (International): +1 (858) 457-5873
InvivoGen Europe: +33 (0) 5-62-71-69-39
InvivoGen Asia: +852 3622-3480
E-mail: info@invivogen.com

InvivoGen
www.invivogen.com