Validation data for Anti-mCD3-mIgG2a

https://www.invivogen.com/anti-mcd3-migg2a-invivofit

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Anti-mCD3-mIgG2a InvivoFit™ is an anti-mCD3ε mAb featuring the variable region of the previously described 145-2C11 armenian hamster IgG1 clone and a murinized IgG2a constant region. The binding capacity of Anti-mCD3-mIgG2a InvivoFit™ to the murine CD3ε (mCD3ε) antigen has been has been validated by ELISA, using coated mCD3ε protein and a Anti-mIgG-HRP secondary antibody **(Figure 1)**. The cell surface staining capacity of Anti-mCD3-mIgG2a InvivoFit™ has been confirmed with Jurkat cells stably expressing mCD3ε (Jurkat-mCD3) **(Figure 2)**.

Validation of Anti-mCD3-mIgG2a InvivoFit™ by ELISA

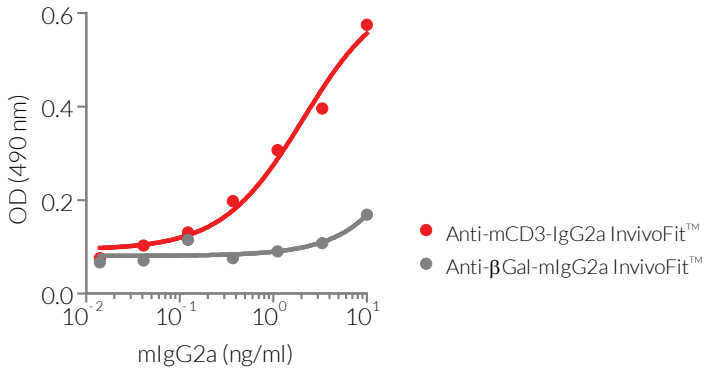

Figure 1: Binding of Anti-mCD3-mIgG2a InvivoFit™ mAb to coated mouse CD3ε protein.
Mouse CD3ε (10 µg/ml) was coated on ELISA plates overnight. A 3-fold serial dilution of the Anti-mCD3-mIgG2a InvivoFit™ mAb (red curve) or of the Anti-βGal mIgG2a control antibody (grey curve) was performed for the capture step. A 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 490 nm.

Validation of Anti-mCD3-mIgG2a InvivoFit™ binding by FACS

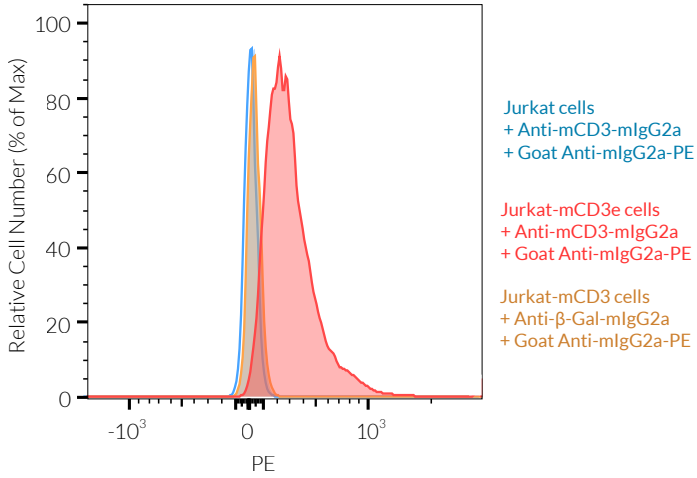

Figure 2: Cell surface staining of murine CD3 using Anti-mCD3-mIgG2a InvivoFit™ mAb.
~$5x10^{5}$ Jurkat (parental) or Jurkat-mCD3 cells were incubated with 2 µg of Anti-mCD3-mIgG2a InvivoFit™ mAb or an isotype control for 1h at 4°C. Cells were then washed and incubated with 0.25 µg of goat anti-mIgG2a coupled to PE for 1h at 4°C. Cell surface staining was analyzed by flow cytometry.

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