

## Product datasheet for **TA386324**

### **Pdcd1 Monoclonal Antibody [Clone ID: J43]**

#### **Product data:**

<b>Product Type:</b>	Primary Antibodies
<b>Clone Name:</b>	J43
<b>Applications:</b>	ELISA, FC, IHC, IP, Neutralize
<b>Reactivity:</b>	Mouse
<b>Clonality:</b>	Monoclonal
<b>Immunogen:</b>	This antibody was raised by immunising Armenian hamsters with B12 cells, a PD-1 cDNA transfectant of BHK cells.
<b>Specificity:</b>	This antibody is specific for murine PD-1.

The specificity of this antibody has been confirmed in ELISA analysis, using PD-1 extracellular domain fusion proteins (Agata et al, 1996). Additionally, in flow cytometric analysis, this antibody reacts with PD-1 cDNA-transfected BHK and CHO cells, but not with parental BHK and CHO cells, as well as reacting with lymphocytes from PD-1 cDNA transgenic mice (Agata et al, 1996). This antibody has been used to immunoprecipitate PD-1 from lysates of PD-1 cDNA-transfected BHK and CHO cells (Agata et al, 1996), in flow cytometric quantification of CD4+PD-1+ T cells in murine spleens (Kasagi et al, 2010), and in immunohistochemical analysis of acetone-fixed murine spinal cord and brain tissue sections (Salama et al, 2003). This antibody displays diverse effects in different mouse models of disease. When administered to NZB/W F1 mice, a model of lupus-like nephritis, this antibody has been shown to delay the onset of nephritis and prolong survival, through the depletion of PD-1+ T cells (Kasagi et al, 2010). Antibody-treated NZB/W F1 mice displayed decreased numbers of PD-1+ T cells, and this antibody was confirmed to trigger complement-dependent cytotoxicity in PD-1+ T cells in vitro (Kasagi et al, 2010). Conversely, administration to experimental allergic encephalitis (EAE) and NOD diabetes mice exacerbated disease, through its neutralising activity (Salama et al, 2003; Ansari et al, 2003); this antibody has been shown in vitro to inhibit binding of both PD-L1-Ig and PD-L2-Ig to PD-1 transfected BHK cells (Ansari et al, 2003).

<b>Formulation:</b>	PBS with 0.02% Proclin 300.
<b>Concentration:</b>	lot specific
<b>Conjugation:</b>	Unconjugated



[View online »](#)

<b>Storage:</b>	Please store at 4°C for up to 3 months. For longer storage, aliquot and store at -20°C. Avoid freeze and thaw cycles.
<b>Stability:</b>	3 years from dispatch.
<b>Gene Name:</b>	programmed cell death 1
<b>Database Link:</b>	<a href="#">Entrez Gene 18566 Mouse Q02242</a>
<b>Synonyms:</b>	CD279; hPD-1; hPD-I; PD1; SLEB2