

## Product datasheet for **TA320437**

### **Pdcd1 Rat Monoclonal Antibody [Clone ID: RMP1-14]**

#### **Product data:**

Product Type:	Primary Antibodies
Clone Name:	RMP1-14
Recommended Dilution:	Flow, Functional Assay
Reactivity:	Mouse
Host:	Rat
Clonality:	Monoclonal
Formulation:	Aqueous buffer, 0.09% sodium azide, may contain carrier protein/stabilizer
Concentration:	lot specific
Purification:	Affinity purified
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	programmed cell death 1
Database Link:	<a href="#">NP_032824</a> <a href="#">Entrez Gene 18566 Mouse</a> <a href="#">Q02242</a>

**Background:** This antibody reacts with mouse PD-1 (programmed death-1), a 55 kDa member of the Ig superfamily. PD-1 contains the immunoreceptor tyrosine-based inhibitory motif (ITIM) and plays a key role in peripheral tolerance and autoimmune disease in mice. PD-1 is expressed mainly on activated T and B lymphocytes. Two novel B7 Family members have been identified as PD-1 ligands, PD-L1 (B7-H1) and PD-L2 (B7-DC). Evidence reported to date suggests overlapping functions for these ligands and their constitutive expression on some normal tissues and upregulation on activated antigen-presenting cells. Similar to J43, another mAb to mouse PD-1 (cat. 16-9985), RMP1-14 blocks the binding of both B7-H1-Ig and B7-DC-Ig to PD-1 transfectants.

**Synonyms:** CD279; hPD-1; hPD-I; PD1; SLEB2



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