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# Product datasheet for TA320435

## PD1 (PDCD1) Mouse Monoclonal Antibody [Clone ID: J116]

### Product data:

| | |
|---|---|
| **Product Type:** | Primary Antibodies |
| **Clone Name:** | J116 |
| **Applications:** | FC |
| **Recommended Dilution:** | IHC, Functional Assay, IP, WB |
| **Reactivity:** | Human |
| **Host:** | Mouse |
| **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:** | NP_005009<br>Entrez Gene 5133 Human<br>Q15116 |
| **Background:** | The J116 monoclonal antibody reacts with the human PD-1 (programmed death-1), a 55 kDa member of the immunoglobulin superfamily. PD-1 contains the immunoreceptor tyrosine-based inhibitory motif (ITIM) and plays a key role in peripheral tolerance and autoimmune disease. PD-1 is expressed predominantly on activated T and B lymphocytes. Two novel members of the B7 family have been identified as the PD-1 ligands, PD-L1 (B7-H1) and PD-L2 (B7-DC). Evidence reported to date suggests overlapping functions for these two PD-1 ligands and their constitutive expression on some normal tissues and upregulation on activated antigen-presenting cells. Binding of the J116 monoclonal antibody inhibits PD-1 signal transduction, however, it does not block binding of the ligand PD-L1. |
| **Synonyms:** | CD279; hPD-1; hPD-l; hSLE1; PD-1; PD1; SLEB2 |
| **Protein Families:** | Druggable Genome, Transmembrane |

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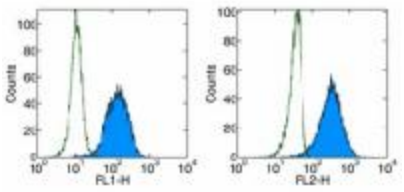
**Protein Pathways:** Cell adhesion molecules (CAMs), T cell receptor signaling pathway

## Product images:




Staining of human PD-1 transfected cells with anti-human Anti-Human CD279 (PD-1) FITC (left)or PE (right). Appropriate isotype controls were used (open histogram). Total viable cells were used for analysis.