

## 43-1075: Monoclonal Antibody to Human CD279 (PD-1) NALE™ Purified (Clone: J116)

<b>Clonality :</b>	Monoclonal
<b>Clone Name :</b>	J116
<b>Reactivity :</b>	Human
<b>Gene :</b>	PDCD1
<b>Gene ID :</b>	5133
<b>Uniprot ID :</b>	Q15116
<b>Alternative Name :</b>	PD1
<b>Isotype :</b>	Mouse IgG1, kappa

### Description

The J116 monoclonal antibody specifically reacts with human Programmed death-1 (PD-1 or CD279), a 50-55 kDa glycoprotein. It is expressed on mainly on activated B, T, and myeloid cells. Within the cytoplasmic region, PD-1 contains an Immunoreceptor tyrosine-based inhibitory motif (ITIM) and seems to regulate peripheral tolerance. The lack or mutation of CD279 is linked to autoimmune disorders. The J116 antibody does not block the binding of the PD-1 ligand, but does inhibit the PD-1 signal transduction.

### Product Info

<b>Amount :</b>	100 µg
<b>Content :</b>	1 mg/ml in Phosphate-buffered aqueous solution, pH7.2.
<b>Storage condition :</b>	The product should be stored undiluted at 4°C. Do not freeze. The monoclonal antibody was purified utilizing affinity chromatography. The endotoxin level is determined by LAL test to be less than 0.01 EU/µg of the protein.

### Application Note

The antibody has been analyzed for quality through the flow cytometric analysis of the relevant cell type. It is recommended that the reagent be titrated for optimal performance for each application.