

PD-1 Protein, Mouse (Biotinylated, HEK293, Fc)

Cat. No.:	HY-P700808
Synonyms:	PD1; CD279; SLEB2; PD-1
Species:	Mouse
Source:	HEK293
Accession:	NP_032824 (L25-Q167)
Gene ID:	18566
Molecular Weight:	60-70 kDa

PROPERTIES

Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.22 μ m filtered solution of PBS, pH 7.4. Normally 8% trehalose is added as protectant before lyophilization.
Endotoxin Level	<1 EU/ μ g, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 μ g/mL in ddH ₂ O.
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

DESCRIPTION

Background	PD-1 (Programmed Cell Death 1) protein plays a crucial role in the negative regulation of the immune response, acting upstream of processes such as the negative regulation of apoptotic processes, negative regulation of tolerance induction, and positive regulation of apoptotic processes. This transmembrane protein is located on the external side of the plasma membrane and is expressed in the retina. PD-1 is associated with various diseases, including autoimmune diseases, hepatitis B and C, hepatocellular carcinoma, and lupus nephritis. The biased expression of PD-1 in adult thymus and ovary suggests its involvement in immune regulation within these tissues.
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Caution: Product has not been fully validated for medical applications. For research use only.

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