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PD-1 Recombinant Monoclonal Antibody

Product Code	CSB-RA619964MA1HU
Storage	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.
Uniprot No.	Q15116
Immunogen	Recombinant Human PD-1 protein
Species Reactivity	Human
Tested Applications	ELISA
Form	Liquid
Conjugate	Non-conjugated
Storage Buffer	Preservative: 0.03% Proclin 300 Constituents: 50% Glycerol, 0.01M PBS, PH 7.4
Purification Method	Affinity-chromatography
Isotype	hlgG4
Clonality	Monoclonal
Product Type	Recombinant Antibody
Immunogen Species	Homo sapiens (Human)
Research Area	Immunology
Gene Names	PDCD1
Clone No.	9A9
Image	The Binding Activity of PD-1 with anti-PD-1



antibody Activity: Measured by its binding ability in a functional ELISA. Immobilized Human PD-1(CSB-MP619964HU1) at 2 μ g/mL can bind Anti-PD-1 recombinant antibody, the EC₅₀ is 1.960-3.961 ng/mL.

Description

CUSABIO produced the PD-1 recombinant monoclonal antibody by following the following steps: 1. Separation of B cells. Obtain B cells from the spleen of the immunized animal. During the immunization process, the recombinant human PD-1 protein is used as the immunogen. 2. RNA isolation and cDNA synthesis. Extract RNA from the B cells and then reversely transcribe it into cDNA. 3. Construction of recombinant vector. With cDNA as the template, the gene encoding the PD-1 antibody will be extended with a degenerate primer. The PD-1 antibody gene is inserted into the vector. 4. Introduce the vector into the host system. Transfection of the recombinant vector into the host cells for antibody expression. Harvest the PD-1 recombinant monoclonal antibodies from

1



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the cell culture supernatant and then purify them using affinity chromatography. 5. Antibody validation. This PD-1 recombinant monoclonal antibody has been tested to react with human PD-1 protein in ELISA.