

PD-1 (AB1577) mouse mAb

V0109

Key Features

Host Species

- Mouse

Reactivity

- Human;

Applications

- Immunohistochemistry (IHC)

MW

- 32 kDa (calculated)
- 56 kDa (observed)

Isotype

- IgG1, kappa

Recommended Dilution Ratios

Application

Immunohistochemistry (IHC)

Dilution

IHC, 1:200-1:400

Storage

Storage Conditions

Store at -20°C. Avoid freeze / thaw cycles.

Storage buffer

The antibody is provided in liquid form in phosphate - buffered saline with 50% glycerol, 0.05% BSA, and 0.05% Proclin 300.

Basic Information

Clonality Monoclonal

Clone Number AB1577

Immunogen A synthetic peptide corresponding to the amino acid region 1 - 100 of the human PD - 1 protein.

Specificity The antibody can specifically recognize human PD-1 protein.

Purification Affinity purification Protein A

Concentration Product concentration may vary by batch. Please refer to the product COA for details.

Target Information

Gene name PDCD1

Protein Name PD-1

Database Link	Organism	Swiss Prot.	Gene ID
	Human	Q15116	5133

Background Programmed death-1 (PD-1) is an important immunosuppressive molecule. It is a member of CD28 superfamily. It is mainly expressed in germinal center related helper T cells and CD8 positive T cells. It includes tyrosine based inhibitory motif immune receptors, and plays an important role in peripheral immune tolerance mechanism and autoimmune diseases. PD-1 is a receptor for PD-L1 and PD-L2. Immune regulation targeting PD-1 is of great significance in anti-tumor, anti infection, anti autoimmune diseases and organ transplantation survival.