

PD-1/CD279 Recombinant antibody

Cat:B16017R

Company: HaoKebio

Uniprot ID:Q15116

Applications: IHC:1:100-1:250

Organism:Rabbit

IHC-Polymer:1:400-1:1000

Species reactivity:Mouse

IHC-TSA:1:500-1:1200

Background:

Programmed cell death 1 (PD-1, also known as CD279) is an immunoinhibitory receptor that belongs to the CD28/CTLA-4 subfamily of the Ig superfamily. It is a 288 amino acid (aa) type I transmembrane protein composed of one Ig superfamily domain, a stalk, a transmembrane domain, and an intracellular domain containing an immunoreceptor tyrosine-based inhibitory motif (ITIM) as well as an immunoreceptor tyrosine-based switch motif (ITSM). PD-1 is expressed during thymic development and is induced in a variety of hematopoietic cells in the periphery by antigen receptor signaling and cytokines. Engagement of PD-1 by its ligands PD-L1 or PD-L2 transduces a signal that inhibits T-cell proliferation, cytokine production, and cytolytic function. It is critical for the regulation of T cell function during immunity and tolerance. Blockade of PD-1 can overcome immune resistance and also has been shown to have antitumor activity. It has been reported that PD-1 is heavily glycosylated and migrates with an apparent molecular mass of 47-55 kDa on SDS-PAGE, which is larger than its predicted mass of 32 kDa.

Protein full name:

programmed cell death 1

Synonyms:

CD279, PD1, PD-1, PD 1, hPD-1

Immunogen:

Recombinant protein

Isotype:

IgG

Subcellular location:

Membrane

Purity:

Affinity purification

Form:

Liquid

Storage Buffer:

PBS with 0.02% sodium azide, 100 µg/ml BSA and 50% glycerol.

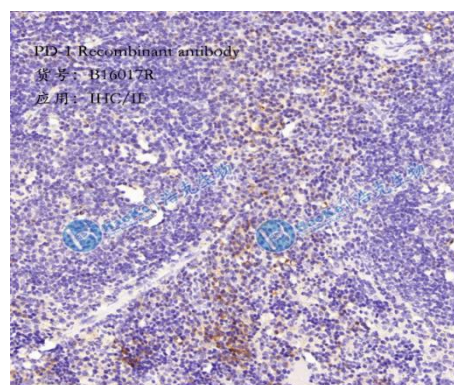
Storage:

Store at -20 °C for one year.

Experimental procedure:

Antigen retrieval: Citrate buffer (pH 6.0), Medium high heat for 8 minutes, stop for 7 minutes, medium high heat for 8 minutes. Incubate antibody, 4°C overnight. Secondary antibody: Poly-HRP Goat Anti-Rabbit & Mouse Universal Secondary Antibody, RT, 1h.

Images:



Sample: Mouse spleen, 4% PFA 12-24h

Source of Reagents:

发表[中文论文]请标注:PD-1/CD279(B16017R)由杭州浩克生物技术有限公司提供;

发表[英文论文]请标注:PD-1/CD279(B16017R) were kindly provided by Hangzhou Haoke Biotechnology Co., Ltd.

