

PD-1 Recombinant Rabbit Monoclonal Antibody

Cat:HKZ100146
Company: HaoKebio

Uniprot ID:: Q15116

Applications: IHC: 1:100-1:200

Organism:Rabbit

IHC-Polymer: 1:400-1:800

Species reactivity:Human

TSA:1:500-1:1000

Predicted Molecular Weight: 32kDa

Background:

Programmed cell death protein 1 (PD-1) is a cell surface co-receptor belonging to the CD28/CTLA-4 T-cell family, which downregulates the immune system through a dual inhibitory mechanism.

PD-1 is expressed in activated T cells, B cells, and myeloid cells and serves as a marker for angioimmunoblastic T-cell lymphoma, suggesting a unique cellular origin for this tumor.

The presence of PD-1-positive tumor-infiltrating lymphocytes (TILs) is associated with poor prognosis in human breast cancer and may have therapeutic implications for antibody treatments targeting the PD-1/PD-L1 signaling pathway. Therapies targeting PD-1 and its ligand PD-L1 have also shown significant success in non-small cell lung cancer, renal cell carcinoma, and melanoma.

Protein full name:

Programmed cell death protein 1

Synonyms:

PD-1, PD-L1

Immunogen:

Full-length recombinant human PD-1 protein. The immunogen includes the specific extracellular region (L25-Q167) of human PD-1.

Isotype:

IgG

Subcellular location:

Cell membrane

Purity:

Affinity purification

Form:

Liquid

Storage Buffer:

59% PBS, 0.01% sodium azide, 40% glycerol, 0.05% BSA.

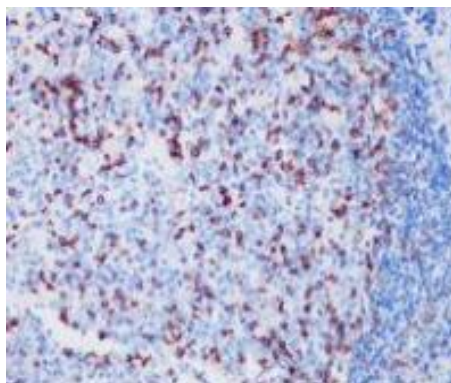
Storage:

Ship on blue ice. Upon receipt, aliquot and store at -25°C to -18°C. Avoid repeated freeze-thaw cycles.

Experimental procedure:

Antigen retrieval using Tris-EDTA buffer (pH 9.0); primary antibody incubation at room temperature (18 °C - 25 °C) for 30 minutes.

Images:



Immunohistochemical results of PD-1 labeled with HKZ100146 in human tonsil tissue (formalin-fixed, paraffin-embedded sections). Antigen retrieval was performed using Tris-EDTA buffer (pH 9.0).

Source of Reagents:

1. Iwai Y., Okazaki T., Nishimura H., Kawasaki A., Yagita H., Honjo T. Immunol. Lett. 83:215-220(2002).
2. James E.S., Harney S., Wordsworth B.P., Cookson W.O., Davis S.J., Moffatt M.F. Genes Immun. 6:430-437(2005).

Source of Reagents:

发表[中文论文]请标注:PD-1(HKZ100146)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(HKZ100146) were kindly provided by Hangzhou Haoke Biotechnology Co., Ltd.

