Leader in Biomolecular Solutions for Life Science

PD-1/CD279 Rabbit mAb

Catalog No.: A27226

Recombinant

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Basic Information

Observed MW
Refer to figures

Calculated MW
32kDa

Category
Monoclonal Antibodies

Applications
IF-P, IHC-P, ELISA

Cross Reactivity
Human

Clone No.
ARC3393

Background

Programmed cell death protein 1 (PDCD1) is an immune-inhibitory receptor expressed in activated T cells; it is involved in the regulation of T-cell functions, including those of effector CD8+ T cells. In addition, this protein can also promote the differentiation of CD4+ T cells into T regulatory cells. PDCD1 is expressed in many types of tumors including melanomas, and has demonstrated to play a role in anti-tumor immunity. Moreover, this protein has been shown to be involved in safeguarding against autoimmunity, however, it can also contribute to the inhibition of effective anti-tumor and anti-microbial immunity.

Recommended Dilutions

IF-P	1:100 - 1:400
IHC-P	1:100 - 1:400

ELISA
Recommended starting concentration is 1 μg/mL. Please optimize the concentration based on your specific assay requirements.

Immunogen Information

Gene ID
5133

Swiss-Prot
Q15116

Immunogen
Synthetic peptide. This information is considered to be commercially sensitive.

Synonyms
PD1; PD-1; CD279; SLEB2; hPD-1; hPD-l; hSLE1

Contact

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Product Information

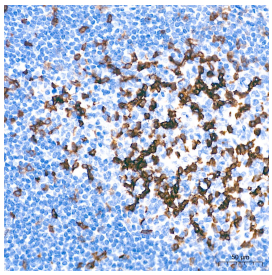
Source
Rabbit

Isotype
IgG

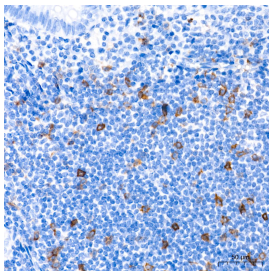
Purity
Affinity purification

Storage
Store at -20℃

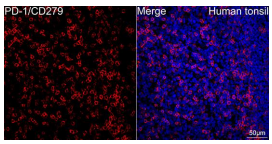
Validation Data



Immunohistochemistry analysis of paraffin-embedded Human tonsil tissue using PD-1/CD279 Rabbit mAb (A27226) at a dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Human appendix tissue using PD-1/CD279 Rabbit mAb (A27226) at a dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



Confocal imaging of paraffin-embedded Human tonsil tissue using PD-1/CD279 Rabbit mAb (A27226, dilution 1:200) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). High pressure antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IF staining. Objective: 40x.