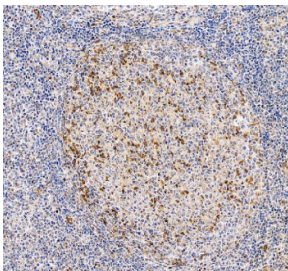


## PD1 Antibody (R30141)

Catalog No.	Formulation	Size
R30141	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

### Bulk quote request

<b>Availability</b>	1-3 business days
<b>Species Reactivity</b>	Human
<b>Format</b>	Antigen affinity purified
<b>Clonality</b>	Polyclonal (rabbit origin)
<b>Isotype</b>	Rabbit IgG
<b>Purity</b>	Antigen affinity
<b>Buffer</b>	Lyophilized from 1X PBS with 2% Trehalose
<b>Gene ID</b>	5133
<b>Applications</b>	Immunohistochemistry (FFPE) : 2-5ug/ml
<b>Limitations</b>	This PD1 antibody is available for research use only.



IHC staining of FFPE human tonsil tissue with PD1 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.

## Description

PDCD1 (Programmed cell death 1), also called PD1, encodes a cell surface receptor that is a member of the B7 superfamily involved in immunomodulation. This gene is mapped to 2q37.3. PDCD1 acts as an inhibitory molecule on T cells after interacting with its ligands PDL1 and PDL2. This protein is expressed in pro-B-cells and is thought to play a role in their differentiation. Using flow cytometric analysis, it has been found that expression of PDCD1 was upregulated on CD16-positive and CD16-negative monocytes, but not on dendritic cells, in viremic HIV-positive patients, but not in highly active antiretroviral therapy (HAART)-treated HIV-positive patients. Upregulation in monocytes was induced by microbial Toll-like receptor ligands and inflammatory cytokines.

## Application Notes

The stated application concentrations are suggested starting points. Titration of the PD1 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

## Immunogen

Human partial recombinant protein (AA 101-288) was used as the immunogen for this PD1 antibody.

## Storage

After reconstitution, the PD1 antibody can be stored for up to one month at 4°C. For long-term, aliquot and store at -20°C. Avoid repeated freezing and thawing.