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<b>Product name:</b>	Anti-PD1/PDCD1 Rabbit Polyclonal Antibody
<b>Cat number:</b>	AB-84827
<b>Conjugate:</b>	unconjugated
<b>Size:</b>	100 µL
<b>Clone:</b>	POLY
<b>Host:</b>	Rabbit
<b>Isotype:</b>	IgG
<b>Immunogen:</b>	E.coli-derived human PD1 recombinant protein (Position: P101-L288). Human PD1 shares 59% amino acid (aa) sequence identity with mouse PD1.
<b>Reactivity:</b>	Human
<b>Applications:</b>	IHC(P)
<b>Purification:</b>	Affinity purification
<b>Form:</b>	Liquid
<b>Background:</b>	<p>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. The PDCD1 gene contains 5 exons. 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. PDCD1 upregulation in monocytes was induced by microbial Toll-like receptor ligands and inflammatory cytokines.</p>