



## PD\_CD1 blocking peptide (CDBP5892)

This product is for research use only and is not intended for diagnostic use.

### PRODUCT INFORMATION

<b>Antigen Description</b>	This gene encodes a cell surface membrane protein of the immunoglobulin superfamily. This protein is expressed in pro-B-cells and is thought to play a role in their differentiation. In mice, expression of this gene is induced in the thymus when anti-CD3 antibodies are injected and large numbers of thymocytes undergo apoptosis. Mice deficient for this gene bred on a BALB/c background developed dilated cardiomyopathy and died from congestive heart failure. These studies suggest that this gene product may also be important in T cell function and contribute to the prevention of autoimmune diseases. [provided by RefSeq, Jul 2008]
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	Used as a blocking peptide in immunoblotting applications.
<b>Format</b>	Liquid
<b>Concentration</b>	200 µg/mL
<b>Size</b>	0.05 mg
<b>Preservative</b>	None
<b>Storage</b>	-20°C

### GENE INFORMATION

<b>Gene Name</b>	<a href="#">PD_CD1 programmed cell death 1 [ Homo sapiens (human) ]</a>
<b>Official Symbol</b>	PD_CD1
<b>Synonyms</b>	PD_CD1; programmed cell death 1; PD1; PD-1; CD279; SLEB2; hPD-1; hPD-1; hSLE1; programmed cell death protein 1; protein PD-1; systemic lupus erythematosus susceptibility 2

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<b>Entrez Gene ID</b>	<a href="#">5133</a>
<b>mRNA Refseq</b>	<a href="#">NM_005018</a>
<b>Protein Refseq</b>	<a href="#">NP_005009</a>
<b>UniProt ID</b>	Q15116
<b>Pathway</b>	Adaptive Immune System; Cell adhesion molecules (CAMs); Costimulation by the CD28 family; Immune System; PD-1 signaling; T cell receptor signaling pathway
<b>Function</b>	protein binding; signal transducer activity

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