Best Tools for immunology Research

CD279/PD1 (PN0485) Nb-FC recombinant antibody

Catalog No :	YA0254
Reactivity :	Human
Applications :	ELISA
Target :	CD279/PD1
Gene Name :	PDCD1 PD1
Protein Name :	Programmed cell death protein 1 (Protein PD-1) (hPD-1) (CD antigen CD279)
Human Gene Id :	5133
Human Swiss Prot No :	Q15116
Immunogen :	Purified recombinant Human PD1
Specificity :	This recombinant monoclonal antibody can detects endogenous levels of CD279/PD1 protein.
Formulation :	Phosphate-buffered solution
Source :	Camel, chimeric fusion of Nanobody (VHH) and mouse IgG1 Fc domain , recombinantly produced from 293F cell
Dilution :	ELISA 1:5000-100000
Purification :	Recombinant Expression and Affinity purified
Concentration :	Please check the information on the tube
Storage Stability :	-15°C to -25°C/1 year(Avoid freeze / thaw cycles)
Background :	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 ofThis gene is induced in the thymus when anti-CD3 antibodies are injected and large numbers of thymocytes undergo

apoptosis. Mice deficient forThis gene bred on a BALB/c background developed dilated cardiomyopathy and died from congestive heart failure. These studies suggest thatThis gene product may also be important in T cell function and contribute to the prevention of autoimmune diseases. [provided by RefSeq, Jul 2008]

Function : developmental stage:Induced at programmed cell death.,disease:Genetic variation in PDCD1 is associated with susceptibility to systemic lupus erythematosus type 2 (SLEB2) [MIM:605218]. Systemic lupus erythematosus is a chronic, inflammatory and often febrile multisystemic disorder of connective tissue. It affects principally the skin, joints, kidneys and serosal membranes. It is thought to represent a failure of the regulatory mechanisms of the autoimmune system.,Possible cell death inducer, in association with other factors.,similarity:Contains 1 Ig-like V-type (immunoglobulin-like) domain.,subunit:Monomer.,

Subcellular Location : Cell membrane ; Single-pass type I membrane protein.

Expression : Placenta,Pooled tissue,Uterine cervix

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