

CD274 (PN0069) Nb-FC recombinant antibody

CatalogNo: YA0285 **Recombinant** 

Key Features

Reactivity

- Human

Applications

- ELISA

Recommended Dilution Ratios

ELISA 1:5000-100000

Storage

Storage* -15°C to -25°C/1 year(Avoid freeze / thaw cycles)

Formulation Phosphate-buffered solution

Basic Information

Source Camel, chimeric fusion of Nanobody (VHH) and mouse IgG1 Fc domain , recombinantly produced from 293F cell

Purification Camel, chimeric fusion of Nanobody (VHH) and mouse IgG1 Fc domain , recombinantly produced from 293F cell

Clone Number PN0069

Immunogen Information

Immunogen Purified recombinant Human PD-L1

Specificity This recombinant monoclonal antibody can detects endogenous levels of CD274/PD-L1 protein.

Target Information

Gene name	CD274 B7H1 PDCD1L1 PDCD1LG1 PDL1		
Protein Name	Programmed cell death 1 ligand 1 (PD-L1) (PDCD1 ligand 1) (Programmed death ligand 1) (hPD-L1) (B7 homolog 1) (B7-H1) (CD antigen CD274)		
	Organism	Gene ID	UniProt ID
	Human	22914 ;	Q9NZQ7 ;
Cellular Localization	Cell membrane ; Single-pass type I membrane protein . Early endosome membrane ; Single-pass type I membrane protein . Recycling endosome membrane ; Single-pass type I membrane protein . Associates with CMTM6 at recycling endosomes, where it is protected from being targeted for lysosomal degradation. . ; [Isoform 1]: Cell membrane ; Single-pass type I membrane protein . ; [Isoform 2]: Endomembrane system ; Single-pass type I membrane protein .		
Tissue specificity	Expressed in natural killer (NK) cells, CD8(+) alpha-beta and gamma-delta T-cells. Expressed on essentially all CD56+CD3- NK cells from freshly isolated PBMC. Expressed in interferon-producing killer dendritic cells (IKDCs).		
Function	Involved in the costimulatory signal, essential for T-cell proliferation and production of IL10 and IFNG, in an IL2-dependent and a PDCD1-independent manner. Interaction with PDCD1 inhibits T-cell proliferation and cytokine production.,induction:Up-regulated on T- and B-cells, dendritic cells, keratinocytes and monocytes after LPS and IFNG activation. Up-regulated in B-cells activated by surface Ig cross-linking.,similarity:Belongs to the immunoglobulin superfamily. BTN/MOG family.,similarity:Contains 1 Ig-like C2-type (immunoglobulin-like) domain.,similarity:Contains 1 Ig-like V-type (immunoglobulin-like) domain.,subunit:Interacts with PDCD1.,tissue specificity:Highly expressed in the heart, skeletal muscle, placenta and lung. Weakly expressed in the thymus, spleen, kidney and liver. Expressed on activated T- and B-cells, dendritic cells, keratinocytes and monocytes.,		

Validation Data

Contact information

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