

## 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

<b>Gene name</b>	CD274 B7H1 PDCD1L1 PDCD1LG1 PDL1		
<b>Protein Name</b>	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)		
	<b>Organism</b>	<b>Gene ID</b>	<b>UniProt ID</b>
	Human	<a href="#">22914</a> ;	<a href="#">Q9NZQ7</a> ;
<b>Cellular Localization</b>	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 .		
<b>Tissue specificity</b>	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).		
<b>Function</b>	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

Orders: order@immunoway.com  
 Support: tech@immunoway.com  
 Telephone: 877-594-3616 (Toll Free), 408-747-0185  
 Website: http://www.immunoway.com  
 Address: 2200 Ringwood Ave San Jose, CA 95131 USA



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**CD274 (PN0069) Nb-FC recombinant antibody**