



# CD274 Polyclonal Antibody

|                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Catalog No</b>                  | YP-Ab-10737                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Isotype</b>                     | IgG                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Reactivity</b>                  | Human;Rat;Mouse;                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Applications</b>                | IHC-p;IF/ICC;ELISA                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Gene Name</b>                   | CD274 B7H1 PDCD1L1 PDCD1LG1 PDL1                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Immunogen</b>                   | Synthetic peptide from human protein at AA range: 181-230                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Specificity</b>                 | The antibody detects endogenous CD274                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Formulation</b>                 | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Source</b>                      | Polyclonal, Rabbit,IgG                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Purification</b>                | The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.                                                                                                                                                                                                                                                                                                                                          |
| <b>Dilution</b>                    | IHC-p 1:50-200, ELISA 1:10000-20000 IF 1:100-300 Not yet tested in other applications.                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Concentration</b>               | 1 mg/ml                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Purity</b>                      | ≥90%                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Storage Stability</b>           | -20°C/1 year                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Synonyms</b>                    | CD274 B7H1 PDCD1L1 PDCD1LG1 PDL1;Programmed cell death 1 ligand 1 (PD-L1) (PDCD1 ligand 1) (Programmed death ligand 1) (B7 homolog 1) (B7-H1) (CD antigen CD274)                                                                                                                                                                                                                                                                                               |
| <b>Observed Band</b>               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Calculated Molecular Weight</b> | 33kD                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Cell Pathway</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>          | 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.                                                                                                                                                                                                                                              |
| <b>Function</b>                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                |



## Background

### matters needing attention

Avoid repeated freezing and thawing!

### Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

## Products Images