

InVivo Anti-Mouse CD274/PD-L1/B7-H1 Antibody (10F.9G2)

CatalogNo: YV0019

Key Features

Host Species

- Rat

Reactivity

- Mouse

Applications

- In vivo

Isotype

- IgG2b

Storage

Storage*

Use a manual defrost freezer and avoid repeated freeze thaw cycles. Store at 2 to 8°C for frequent use. Store at -20 to -80°C for twelve months from the date of receipt.

Formulation

0.01M PBS, pH 7.4.

Recommended Dilution Ratios

Basic Information

Purity

Endotoxin level <1 EU/mg. Purity>90% as determined by SDS-PAGE.

Clonality

Monoclonal

Immunogen Information

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) (B7 homolog 1) (B7-H1) (CD antigen CD274)

Organism	Gene ID	UniProt ID
Human	29126 ;	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 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.

Function 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

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



Please scan the QR code to access additional product information:
InVivo Anti-Mouse CD274/PD-L1/B7-H1 Antibody (10F.9G2)

For Research Use Only. Not for Use in Diagnostic Procedures.

[Antibody](#) | [ELISA Kits](#) | [Protein](#) | [Reagents](#)