

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

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