10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

# Anti-CD274-AcalephFluor594-labled

Catalog # AP101687

## Product Information

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|---|---|
| **Application** | FC, IF/IC |
| **Primary Accession** | Q9EP73 |
| **Reactivity** | Mouse |
| **Clonality** | Monoclonal |
| **Calculated MW** | 32780 |

## Additional Information

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|---|---|
| **Gene ID** | 60533 |
| **Other Names** | B7H1; PDCD1L1; PDCD1LG1; PDL1; Programmed cell death 1 ligand 1; PD-L1; PDCD1 ligand 1; Programmed death ligand 1; B7 homolog 1; B7-H1; CD274 |
| **Target/Specificity** | Recognizes mouse CD274 |
| **Dilution** | FC~~1:10~50 IF/IC~~N/A |
| **Format** | Rat IgG2b kappa. Liquid in PBS, pH 7.3, 0.2% BSA, and 0.02% sodium azide. |
| **Storage** | Store at -20 °C.Stable for 12 months from date of receipt |

## Protein Information

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|---|---|
| **Name** | Cd274 |
| **Synonyms** | B7h1, Pdcd1l1, Pdcd1lg1, Pdl1 |
| **Function** | Plays a critical role in induction and maintenance of immune tolerance to self (PubMed:11238124). As a ligand for the inhibitory receptor PDCD1/PD-1, modulates the activation threshold of T-cells and limits T-cell effector response (PubMed:11238124). Through a yet unknown activating receptor, may costimulate T-cell subsets that predominantly produce interleukin-10 (IL10) (PubMed:11015443, PubMed:12719480). |
| **Cellular Location** | Cell membrane {ECO:0000250\|UniProtKB:Q9NZQ7}; Single-pass type I membrane protein. Early endosome membrane {ECO:0000250\|UniProtKB:Q9NZQ7}; Single-pass type I membrane protein. Recycling endosome membrane {ECO:0000250\|UniProtKB:Q9NZQ7}; Single-pass type I membrane protein |
| **Tissue Location** | Highly expressed in the heart, thymus, skeletal muscle, and lung. Weakly expressed in the kidney, spleen, thyroid, and liver. Expressed on activated dendritic cells, B-cells and macrophages Expressed in numerous tumor cells |

lines of lymphoid origin

## Background

AcalephFluor594-labled rat monoclonal antibody to CD274

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.