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Anti-CD274-AcalephFluor488-labled

Catalog # AP101684

Product Information

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

Additional Information

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

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

AcalephFluor488-labled rat monoclonal antibody to CD274

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