

ARG46776 anti-CD274 / PD-L1 antibody [10F.9G2] (APC)

Package: 100 tests
Store at: 4°C

Summary

Product Description	APC-conjugated Rat Monoclonal antibody [10F.9G2] recognizes CD274 / PD-L1
Tested Reactivity	Ms
Tested Application	FACS
Host	Rat
Clonality	Monoclonal
Clone	10F.9G2
Isotype	IgG2b kappa
Target Name	CD274 / PD-L1
Conjugation	APC
Alternate Names	Programmed cell death 1 ligand 1; B7-H1; B7H1; PDL1; PDCD1 ligand 1; B7 homolog 1; PD-L1; CD antigen CD274; PDCD1L1; B7-H; Programmed death ligand 1; PDCD1LG1

Application Instructions

Application table	Application	Dilution
	FACS	Assay-dependent

Application Note * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

Properties

Form	Liquid
Purification	Affinity purification with immunogen
Buffer	PBS, 0.02% sodium azide and 0.2% BSA.
Preservative	0.02% sodium azide
Stabilizer	0.2% BSA
Storage instruction	Aliquot and store in the dark at 2-8°C. Keep protected from prolonged exposure to light. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol	CD274
Gene Full Name	CD274 molecule

Background

This gene encodes an immune inhibitory receptor ligand that is expressed by hematopoietic and non-hematopoietic cells, such as T cells and B cells and various types of tumor cells. The encoded protein is a type I transmembrane protein that has immunoglobulin V-like and C-like domains. Interaction of this ligand with its receptor inhibits T-cell activation and cytokine production. During infection or inflammation of normal tissue, this interaction is important for preventing autoimmunity by maintaining homeostasis of the immune response. In tumor microenvironments, this interaction provides an immune escape for tumor cells through cytotoxic T-cell inactivation. Expression of this gene in tumor cells is considered to be prognostic in many types of human malignancies, including colon cancer and renal cell carcinoma. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Sep 2015]

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. [UniProt]

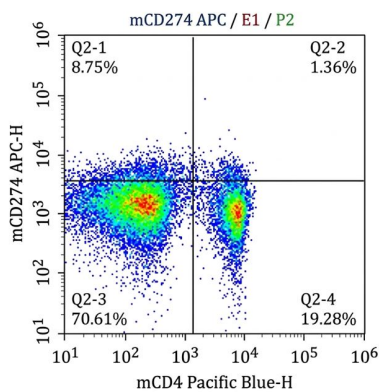
Calculated Mw

33 kDa

Cellular Localization

Cell membrane and Endomembrane system.

Images



ARG46776 anti-CD274 / PD-L1 antibody [10F.9G2] (APC) FACS image

Flow Cytometry: Mouse spleen stained with ARG46776 anti-CD274 / PD-L1 antibody [10F.9G2] (APC).