

CD274 Antibody

Subcategory: Rabbit Polyclonal Antibody

Cat. No.: 251474

Unit: 0.1 mg

Description:

CD274 is involved in the costimulatory signal transduction cascade which is essential for T-cell proliferation. CD274 is also involved in the production of IL-10 and interferon gamma. Cell-mediated immune responses are initiated by T lymphocytes that are themselves stimulated by cognate peptides bound to MHC molecules on antigen-presenting cells (APC). T-cell activation is generally self-limited as activated T cells express receptors such as PD-1 (also known as PDCD-1) that mediate inhibitory signals from the APC. PD-1 can bind two different but related ligands, PDL-1 and PDL-2. PDL-1 is a B7-related protein that inhibits cell-mediated immune responses by reducing the secretion of IL-2 and IL-10 from memory T cells. This suggests that PDL-1 may be useful in reducing allogenic CD4+ memory T-cell responses to endothelial cells, thereby reducing the likelihood of host immune responses to allografts.

Isotype: Rabbit Ig

Applications: E, IHC, WB

Species Reactivity: H, M, R

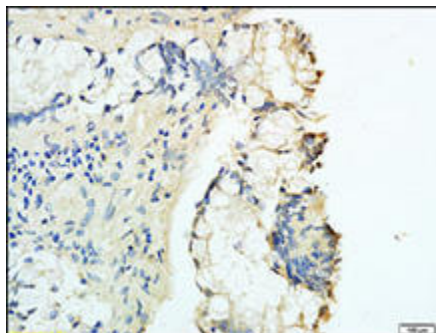
Format: Each vial contains 0.1 mg IgG in 0.1 ml (1 mg/ml) of PBS pH7.4 with 0.09% sodium azide. Antibody was purified by Protein-G affinity chromatography.

Alternate Names: B7-H1; PDL1; CD274; Programmed death ligand 1; Programmed cell death 1 ligand 1; PD-L1; PDCD1 ligand 1; B7 homolog 1; B7H1; PDCD1L1; PDCD1LG1

Accession No.: Q9NZQ7

Antigen: KLH-conjugated synthetic peptide encompassing a sequence within the C-term region of mouse CD274.

Application Notes: E: 1:500-1:1,000; WB: 1:100-1:500; IHC: 1:100-1:500



CD274 staining in human rectal carcinoma. Paraffin-embedded human rectal carcinoma tissue is stained with CD274 Antibody (Cat. No. 251474) used at 1:200 dilution ON at 4°C. Tissue is fixed with 4% paraformaldehyde and antigen retrieval protocol consists in boiling for 15 min in 0.01M citrate buffer, pH6.0.

Storage: Store at -20°C. Minimize freeze-thaw cycles. Product is guaranteed one year from the date of shipment.

For research use only, not for diagnostic or therapeutic procedures.