

CD274(PD1L1) Antibody

Catalog No: #48238



Package Size: #48238-1 50ul #48238-2 100ul

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

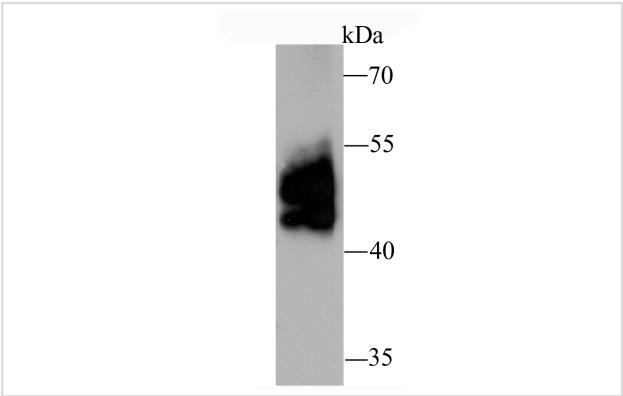
Description

Product Name	CD274(PD1L1) Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Peptide affinity purified
Applications	WB, ICC, IHC, FC
Species Reactivity	Hu, Ms
Immunogen Description	Recombinant protein
Other Names	B7 H antibody B7 H1 antibody B7 homolog 1 antibody B7-H1 antibody B7H antibody B7H1 antibody CD 274 antibody CD274 antibody CD274 antigen antibody CD274 molecule antibody MGC142294 antibody MGC142296 antibody OTTHUMP00000021029 antibody PD L1 antibody PD-L1 antibody PD1L1_HUMAN antibody PDCD1 ligand 1 antibody PDCD1L1 antibody PDCD1LG1 antibody PDL 1 antibody PDL1 antibody Programmed cell death 1 ligand 1 antibody Programmed death ligand 1 antibody RGD1566211 antibody
Accession No.	Swiss-Prot#:Q9NZQ7
Uniprot	Q9NZQ7
GeneID	29126;
Calculated MW	40-50 kDa
Formulation	1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide.
Storage	Store at -20°C

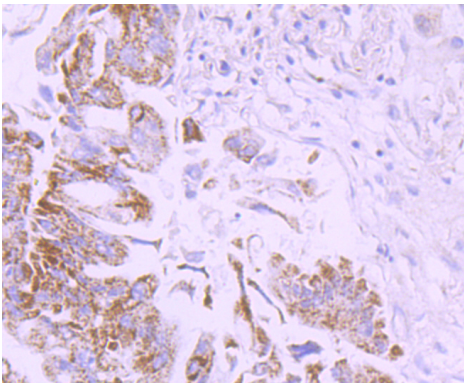
Application Details

WB: 1:500-1:1000 IHC: 1:50-1:200 ICC: 1:50-1:200FC: 1:50-1:100

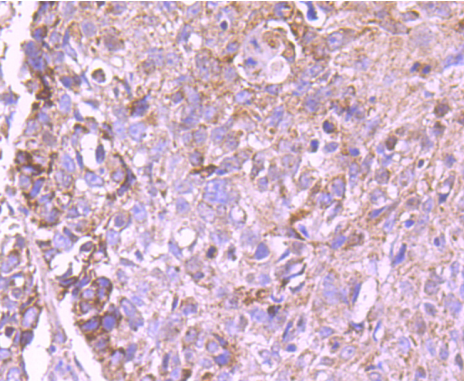
Images



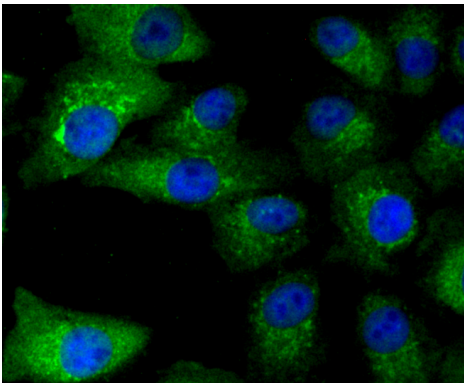
Western blot analysis of CD274 on recombinant protein lysate using anti-CD274 antibody at 1/1,000 dilution.



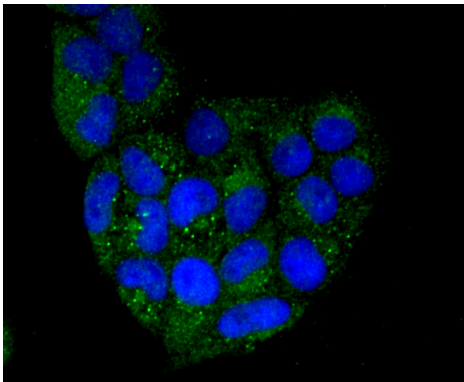
Immunohistochemical analysis of paraffin-embedded human nonsmall-cell lung cancer tissue using anti-CD274 antibody. Counter stained with hematoxylin.



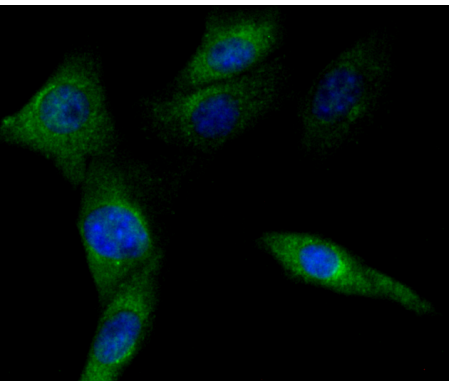
Immunohistochemical analysis of paraffin-embedded human lung cancer tissue using anti-CD274 antibody. Counter stained with hematoxylin.



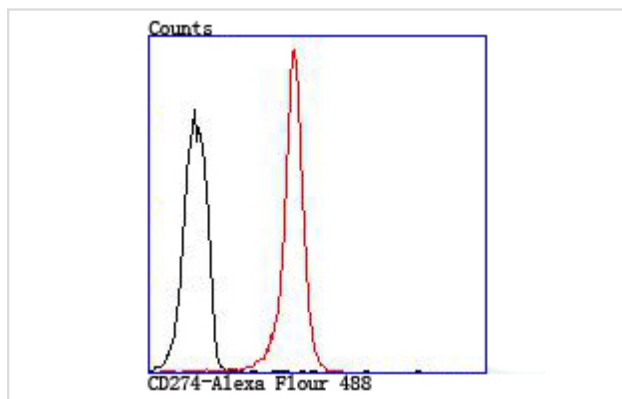
ICC staining CD274 in A549 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



ICC staining CD274 in Hela cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



ICC staining CD274 in NIH-3T3 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



Flow cytometric analysis of K562 cells with CD274 antibody at 1/100 dilution (red) compared with an unlabelled control (cells without incubation with primary antibody; black).

Background

Engagement of CD28 by B7-1 (CD80) or B7-2 (CD86) in the presence of antigen promotes T cell proliferation, cytokine production, differentiation of effector T cells, and the induction of Bcl-x, a promoter of T cell survival. Conversely, engagement of CTLA4 by B7-1 or B7-2 may inhibit proliferation and IL-2 production. Pcd-1L1 (programmed cell death ligand-1), also known as B7-H1 or PD-L1, is 290 amino acid type I transmembrane protein which is 20% and 15% identical to B7-1 and B7-2, respectively. Pcd-1L2 has immunoglobulin V-like and C-like domains and a 30 amino acid cytoplasmic tail. It does not bind CD28, cytotoxic T-lymphocyte A4 or ICOS (inducible co-stimulator). IL-2, although produced in small amounts, is required for the effect of Pcd-1L1 co-stimulation. The gene which encodes Pcd-1L1 maps to human chromosome 9p24. Pcd-1L2 (programmed cell death ligand-2) is a 73 amino acid protein which contains a signal sequence, IgV- and IgC-like domains, a transmembrane region and a cytoplasmic region. The gene which encodes Pcd-1L2 maps to human chromosome 9p24.2. The constitutive expression of Pcd-1L1 and Pcd-1L2 on parenchymal cells of heart, lung and kidney suggests that the Pcd-1-Pcd-L system could provide unique negative signaling to help prevent autoimmune disease.

References

Note: This product is for in vitro research use only