

CD276 monoclonal antibody

Catalog: MB21375

Host: Mouse

Reactivity: Human, Mouse, Rat, Rabbit, Monkey

Background:

Costimulatory B7 molecules (e.g., B7-1, or CD80; MIM 112203) signal through CD28 (MIM 186760) family molecules such as CD28, CTLA4 (MIM 123890), and ICOS (MIM 604558). May participate in the regulation of T-cell-mediated immune response. May play a protective role in tumor cells by inhibiting natural-killer mediated cell lysis as well as a role of marker for detection of neuroblastoma cells. May be involved in the development of acute and chronic transplant rejection and in the regulation of lymphocytic activity at mucosal surfaces. Could also play a key role in providing the placenta and fetus with a suitable immunological environment throughout pregnancy. Both isoform 1 and isoform 2 appear to be redundant in their ability to modulate CD4 T-cell responses. Isoform 2 is shown to enhance the induction of cytotoxic T-cells and selectively stimulates interferon gamma production in the presence of T-cell receptor signaling.

Product:

Purified antibody in PBS with 0.05% sodium azide.

Molecular Weight:

57kDa

Swiss-Prot:

Q5ZPR3

Purification&Purity:

The antibody was affinity-purified from mouse ascites by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

Applications:

WB:1/500 - 1/2000 IHC:1/100 - 1/500 IF:1/50 - 1/500
FC:1/200 - 1/400

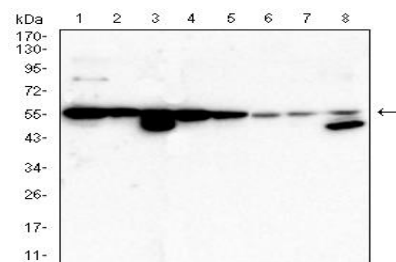
Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

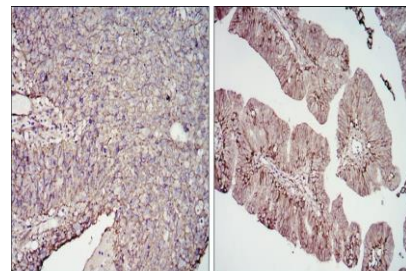
Isotype:

Mouse IgG1

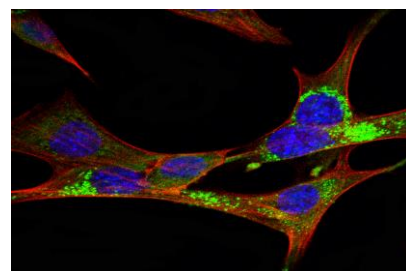
DATA:



Western blot analysis using CD276 mouse mAb against NIH/3T3(1) NRK(2) C2C12(3) C6(4) L1210(5) COS7(6) CHO3D10(7) HeLa(8) cell lysate.



Immunohistochemical analysis of paraffin-embedded human cervical cancer tissues (left) and ovarian cancer tissues (right) using CD276 mouse mAb with DAB staining.



Immunofluorescence analysis of NIH/3T3 cells using CD276 mouse mAb (green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor- 555 phalloidin.

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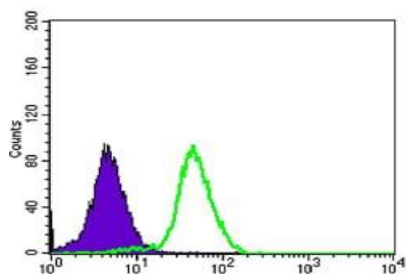
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Flow cytometric analysis of PC-3 cells using CD276 mouse mAb (green) and negative control (purple).

Note:

For research use only, not for use in diagnostic procedure.

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