CD276 Mouse Monoclonal Antibody

E10-30103

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.

Catalog Number: E10-30103

Amount: 100μg/100μl

Clone Number: 6A1

Species: Mouse IgG1

MW: 57kDa

Aliases: B7H3; B7-H3; 4Ig-B7-H3; CD276

Entrez Gene: 80381

Immunogen: Purified recombinant fragment of human CD276 expressed in E. Coli.

Storage: Store at 4℃, for long term storage, store at -20℃.

Formulation: Ascitic fluid containing 0.03% sodium azide.

Species Reactivities: Human

Tested Applications: WB, IF, FC, ELISA. Not yet tested in other applications.

Application notes: WB: 1/500 - 1/2000, IF: 1/200 - 1/1000, FC: 1/200-1/400, ELISA: Propose dilution 1/10000.

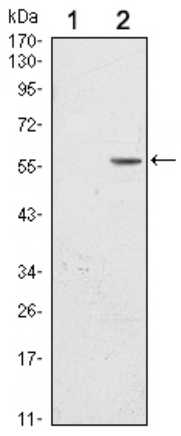

Figure 1: Western blot analysis using CD276 mAb against HEK293 (1) and CD276-hIgGFc transfected HEK293 (2) cell lysate.

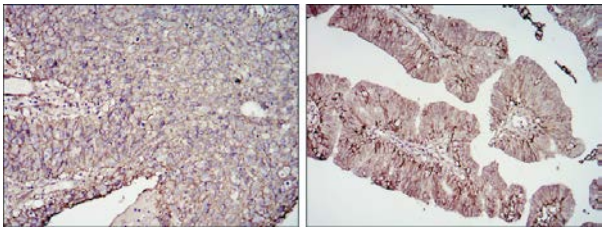

Figure 2: Immunohistochemical analysis of paraffin-embedded cervical cancer tissues (left) and ovarian cancer tissues (right) using CD276 mouse mAb with DAB staining.

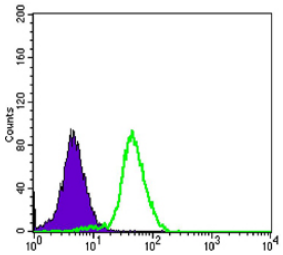

Figure 3: Flow cytometric analysis of PC-3 cells using CD276 mouse mAb (green) and negative control (purple).

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