

Datasheet for ABIN969018

anti-CD276 antibody[Go to Product page](#)

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Overview

Quantity:	100 µL
Target:	CD276
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This CD276 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Flow Cytometry (FACS), Immunohistochemistry (IHC)

Product Details

Immunogen:	Purified recombinant fragment of human CD276 expressed in E. coli.
Clone:	6A1
Isotype:	IgG1
Purification:	purified

Target Details

Target:	CD276
Alternative Name:	CD276 (CD276 Products)
Background:	Description: 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

Target Details

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.

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

Molecular Weight: 57 kDa

Gene ID: 80381

HGNC: 80381

Pathways: [Cancer Immune Checkpoints](#)

Application Details

Application Notes: ELISA: 1:10000, WB: 1:500 - 1:2000, IHC: 1:200 - 1:1000, FCM: 1:200 - 1:400

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: Ascitic fluid containing 0.03 % sodium azide.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: 4 °C/-20 °C

Storage Comment: 4°C, -20°C for long term storage

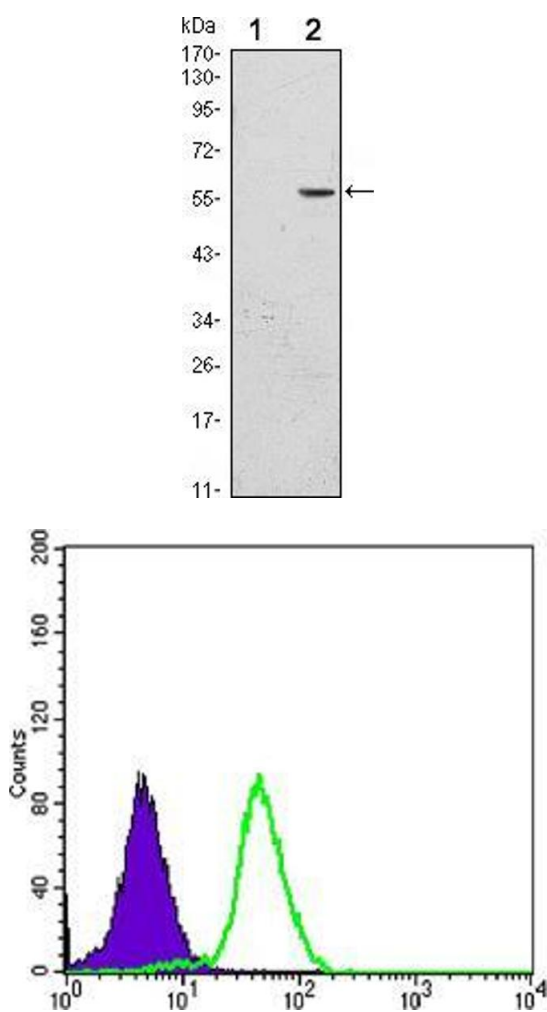
Publications

Product cited in: Mishra, Thakur, Somal, Parmar, Yadav, Bharati, Bharti, Paul, Verma, Chouhan, Sharma, Singh, González, DOcchio, Sarkar et al.: "Expression and localization of angiopoietin family in buffalo ovarian follicles during different stages of development and modulatory role of angiopoietins on steroidogenesis and survival of cultured ..." in: **Theriogenology**, Vol. 86, Issue 7, pp. 1818-33, (

2016) ([PubMed](#)).

Mishra, Parmar, Yadav, Reshma, Bharati, Bharti, Paul, Chouhan, Taru Sharma, Singh, Sarkar et al.: "Expression and localization of angiopoietin family in corpus luteum during different stages of oestrous cycle and modulatory role of angiopoietins on steroidogenesis, angiogenesis and survivability ..." in: **Reproduction in domestic animals = Zuchthygiene**, Vol. 51, Issue 6, pp. 855-869, (2016) ([PubMed](#)).

Images

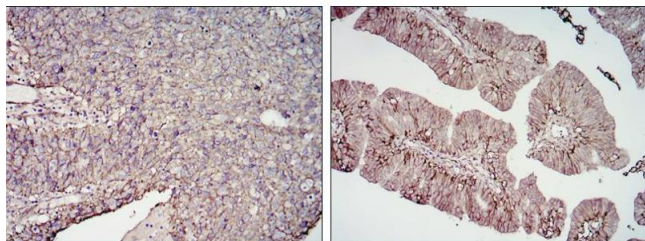


Western Blotting

Image 1. Western blot analysis using CD276 mAb against HEK293 (1) and CD276(AA: 30-130)-hIgGFc transfected HEK293 (2) cell lysate.

Flow Cytometry

Image 2. Flow cytometric analysis of PC-3 cells using CD276 mouse mAb (green) and negative control (purple).



Immunohistochemistry

Image 3. Immunohistochemical analysis of paraffin-embedded cervical cancer tissues (left) and ovarian cancer tissues (right) using CD276 mouse mAb with DAB staining.