

## Recombinant B7-H3/CD276 Monoclonal Antibody

catalog number: **AN301442L**

**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

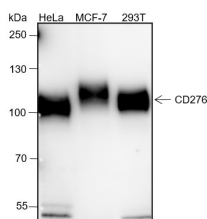
### Description

<b>Reactivity</b>	Human;Mouse
<b>Immunogen</b>	Recombinant human B7-H3/CD276 fragment
<b>Host</b>	Rabbit
<b>Isotype</b>	IgG, $\kappa$
<b>Clone</b>	A137
<b>Purification</b>	Protein A purified
<b>Buffer</b>	PBS, 50% glycerol, 0.05% Proclin 300, 0.05% protein protectant.

### Applications Recommended Dilution

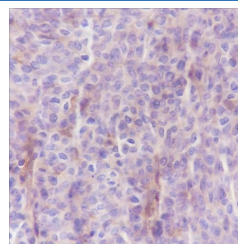
<b>WB</b>	1:500-1:2000
<b>IHC</b>	1:200-1:1000
<b>IF</b>	1:50
<b>FCM</b>	1:50-1:100
<b>IP</b>	1:25-1:100

### Data

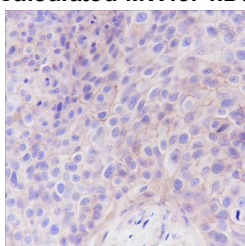


Western Blot with B7-H3/CD276 Monoclonal Antibody at dilution of 1:2000. Lane 1: HeLa, Lane 2: MCF-7, Lane 3: 293T

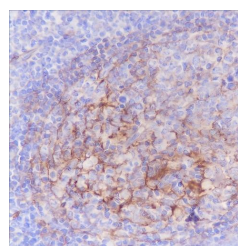
**Observed-MW:110 kDa**  
**Calculated-MW:57 kDa**



Immunohistochemistry of paraffin-embedded Human cervical cancer using B7-H3/CD276 Monoclonal Antibody at dilution of 1:1000.



Immunohistochemistry of paraffin-embedded Human lung squamous carcinoma using B7-H3/CD276 Monoclonal Antibody at dilution of 1:1000.



Immunohistochemistry of paraffin-embedded Human tonsil using B7-H3/CD276 Monoclonal Antibody at dilution of 1:1000.

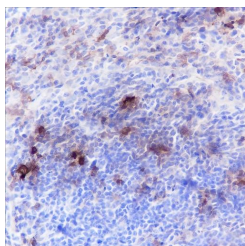
### For Research Use Only

Toll-free: 1-888-852-8623  
Web: [www.elabscience.com](http://www.elabscience.com)

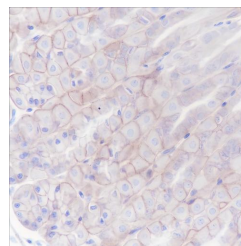
Tel: 1-832-243-6086  
Email: [techsupport@elabscience.com](mailto:techsupport@elabscience.com)

Fax: 1-832-243-6017

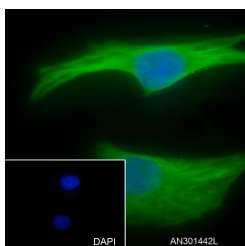
Rev. V1.0



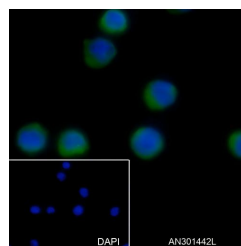
Immunohistochemistry of paraffin-embedded Mouse spleen using B7-H3/CD276 Monoclonal Antibody at dilution of 1:1000.



Immunohistochemistry of paraffin-embedded Mouse stomach using B7-H3/CD276 Monoclonal Antibody at dilution of 1:1000.



Immunofluorescent analysis of (4% Paraformaldehyde) fixed HeLa cells using anti-B7-H3/CD276 Monoclonal Antibody at dilution of 1:50.



Immunofluorescent analysis of (4% Paraformaldehyde) fixed THP-1 cells using anti-B7-H3/CD276 Monoclonal Antibody at dilution of 1:50.

## Preparation & Storage

### Storage

Store at -20°C Valid for 12 months. Avoid freeze / thaw cycles.

### Shipping

Ice bag

## Background

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.

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