

## Product datasheet for **AM06515SU-N**

### **B7H3 (CD276) Mouse Monoclonal Antibody [Clone ID: 6A1]**

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	6A1
Applications:	ELISA, FC, IHC, WB
Recommended Dilution:	<b>ELISA:</b> 1/10000. <b>Western Blot:</b> 1/500 - 1/2000. <b>Flow Cytometry:</b> 1/200 - 1/400. <b>Immunohistochemistry on Paraffin Sections:</b> 1/200 - 1/1000.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Purified recombinant fragment of Human CD276 expressed in E. Coli.
Specificity:	Recognizes CD276
Formulation:	State: Ascites State: Ascitic fluid containing 0.03% Sodium Azide.
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	57 kDa
Gene Name:	CD276 molecule
Database Link:	<a href="#">Entrez Gene 80381 Human Q5ZPR3</a>



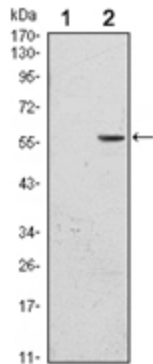
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**Background:**

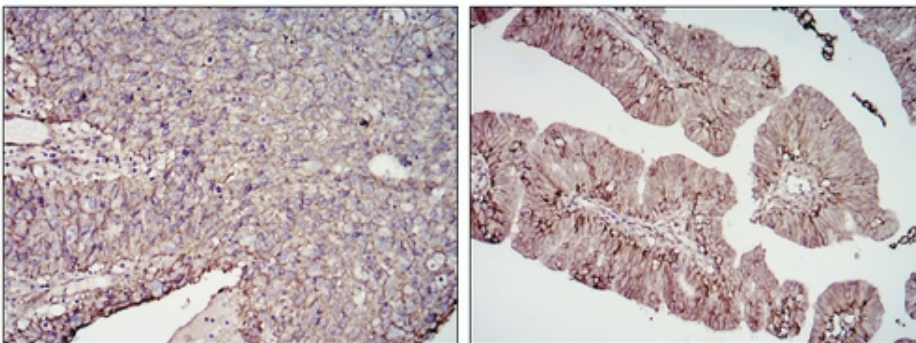
CD276 is a type I transmembrane protein that induces the proliferation of CD4+ and CD8+ T cells, enhances the generation of cytotoxic T cells and selectively stimulates the production of interferon gamma. Expression of CD276 can be induced on dendritic cells and monocytes by inflammatory cytokines, and is also widely expressed in peripheral tissues including the heart, kidney, testis and colon. In humans, CD276 exists as two isoforms which result from gene duplication and differential splicing. CD276 is reported to have therapeutic potential for the regulation of cell-mediated immune responses to cancer, particularly in conjunction with anti-angiogenic therapy.

**Synonyms:**

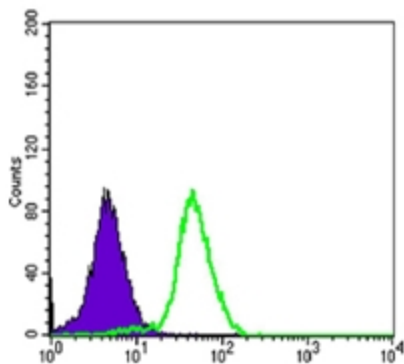
B7 homolog 3, 4Ig-B7-H3, PSEC0249

**Product images:**


Western blot analysis using CD276 antibody Cat.-No AM06515SU-N against HEK293 (1) and CD276 (AA: 30-130)-hlgGFc transfected HEK293 (2) cell lysate.



Immunohistochemical analysis of paraffin-embedded cervical cancer tissues (left) and ovarian cancer tissues (right) using CD276 antibody Cat.-No AM06515SU-N with DAB staining.



Flow Cytometric analysis of PC-3 cells using CD276 antibody Cat.-No AM06515SU-N (green) and negative control (purple).