



## Rabbit Anti-CD276 antibody

SL11019R

<b>Product Name:</b>	CD276
<b>Chinese Name:</b>	CD276抗体
<b>Alias:</b>	B7H3; 4Ig B7 H3; 4Ig-B7-H3; AU016588; B7 H3; B7 homolog 3; B7-H3; B7H3; B7RP-2; CD_antigen=CD276; CD276; CD276 antigen; CD276 molecule; CD276 HUMAN; Costimulatory molecule; PSEC0249; UNQ309/PRO352.
<b>Organism Species:</b>	Rabbit
<b>Clonality:</b>	Polyclonal
<b>React Species:</b>	Human,Mouse,Rat,Pig,Cow,Horse,
<b>Applications:</b>	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
<b>Molecular weight:</b>	54kDa
<b>Cellular localization:</b>	The cell membrane
<b>Form:</b>	Lyophilized or Liquid
<b>Concentration:</b>	1mg/ml
<b>immunogen:</b>	KLH conjugated synthetic peptide derived from human CD276/B7H3:101-200/534<Extracellular>
<b>Lsotype:</b>	IgG
<b>Purification:</b>	affinity purified by Protein A
<b>Storage Buffer:</b>	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
<b>Storage:</b>	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
<b>PubMed:</b>	<a href="#">PubMed</a>
<b>Product Detail:</b>	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.

**Function:**

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.

**Subunit:**

Interacts with TREML2 and this interaction enhances T-cell activation.

**Subcellular Location:**

Membrane; Single-pass type I membrane protein (Probable).

**Tissue Specificity:**

Ubiquitous but not detectable in peripheral blood lymphocytes or granulocytes. Weakly expressed in resting monocytes. Expressed in dendritic cells derived from monocytes. Expressed in epithelial cells of sinonasal tissue. Expressed in extravillous trophoblast cells and Hofbauer cells of the first trimester placenta and term placenta.

**Similarity:**

Belongs to the immunoglobulin superfamily. BTN/MOG family.  
Contains 2 Ig-like C2-type (immunoglobulin-like) domains.  
Contains 2 Ig-like V-type (immunoglobulin-like) domains.

**SWISS:**

Q5ZPR3

**Gene ID:**

80381

**Database links:**

[Entrez Gene: 80381](#) Human

[Entrez Gene: 102657](#) Mouse

[Omin: 605715](#) Human

[SwissProt: Q5ZPR3](#) Human

[SwissProt: Q8VE98](#) Mouse

[Unigene: 744915](#) Human

[Unigene: 77873](#) Human

[Unigene: 5356](#) Mouse

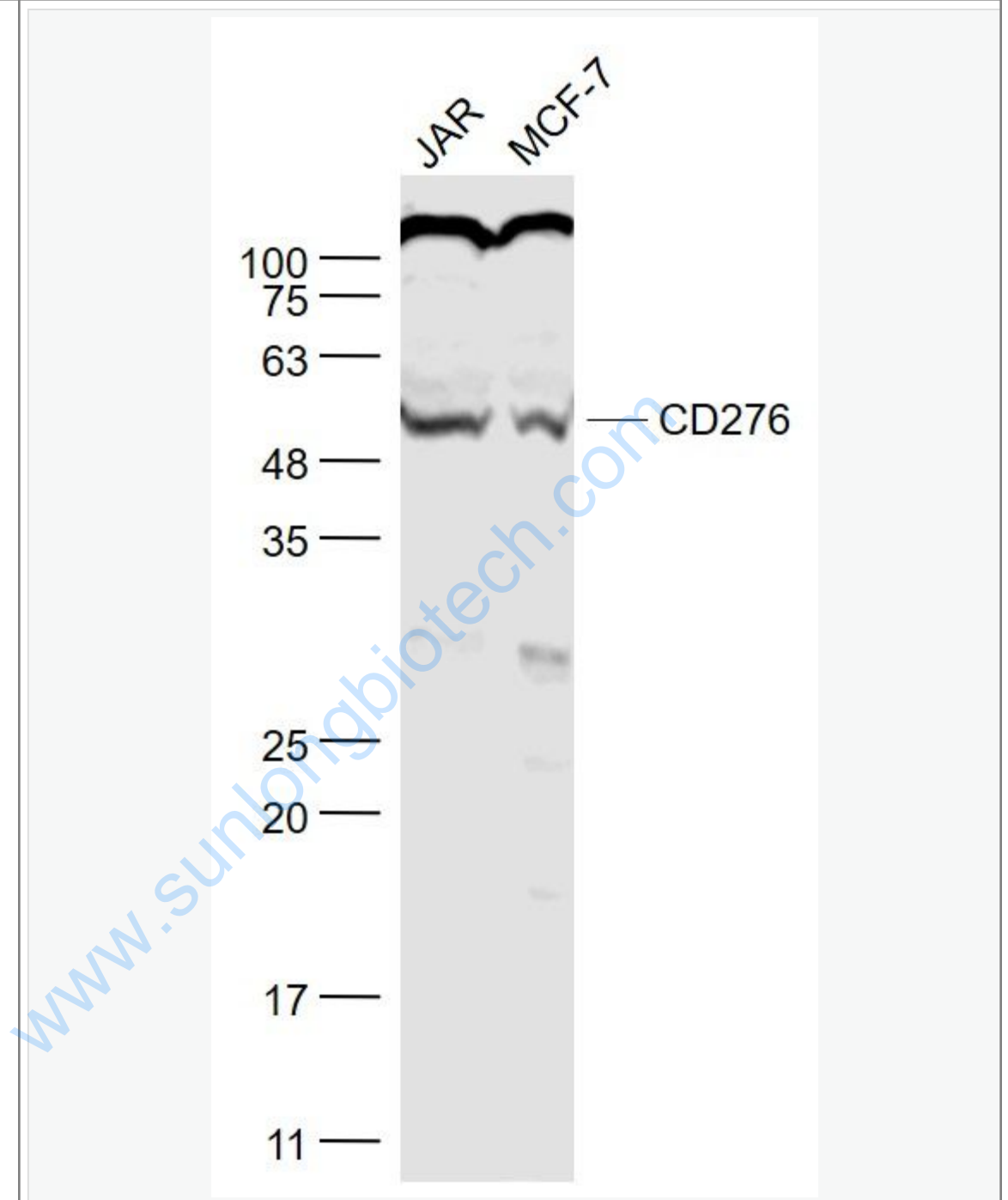
**Important Note:**

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

研究人员检测CD276在癌症患者来源的endothelial cells中的表达情况, 在结肠癌、肺癌、乳腺癌、食道癌和膀胱癌的Tumour相关血管细胞中发现CD276过量表达, 而且这些蛋白在Tumour细胞本身也过量表达。

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Picture:



Sample:

JAR(Human) Cell Lysate at 30 ug

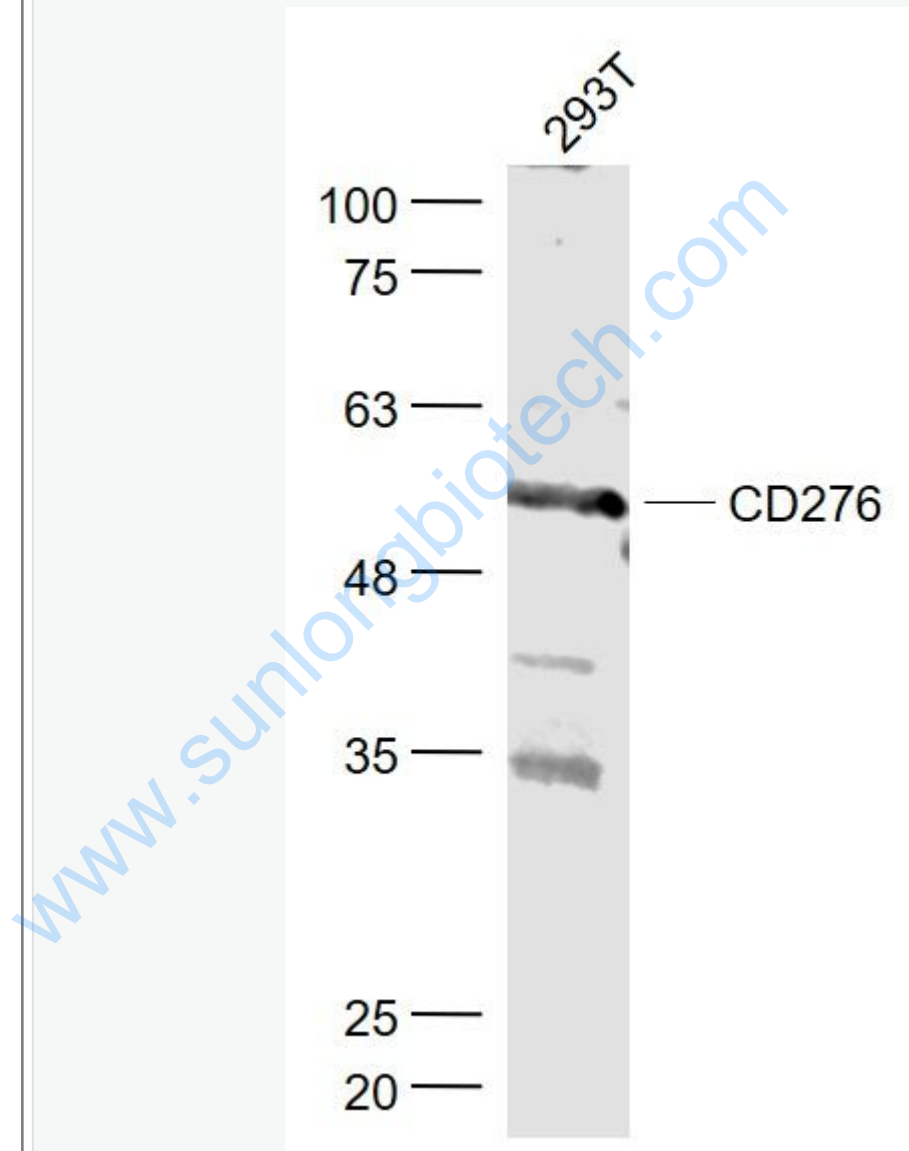
MCF-7(Human) Cell Lysate at 30 ug

Primary: Anti- CD276 (SL11019R) at 1/1000 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 54 kD

Observed band size: 54 kD



Sample:

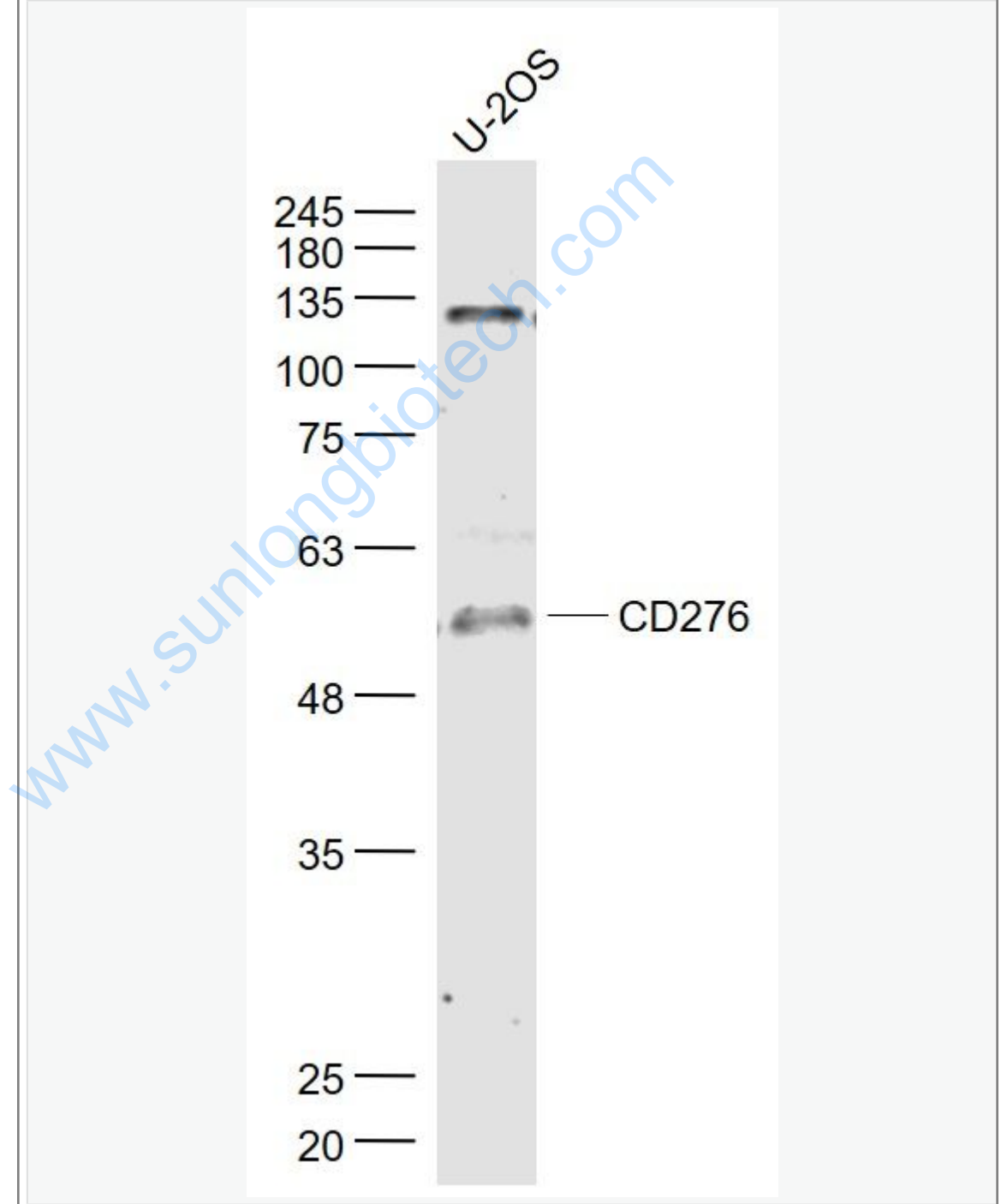
293T(Human) Cell Lysate at 30 ug

Primary: Anti- CD276 (SL11019R) at 1/1000 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 54 kD

Observed band size: 54 kD



Sample:

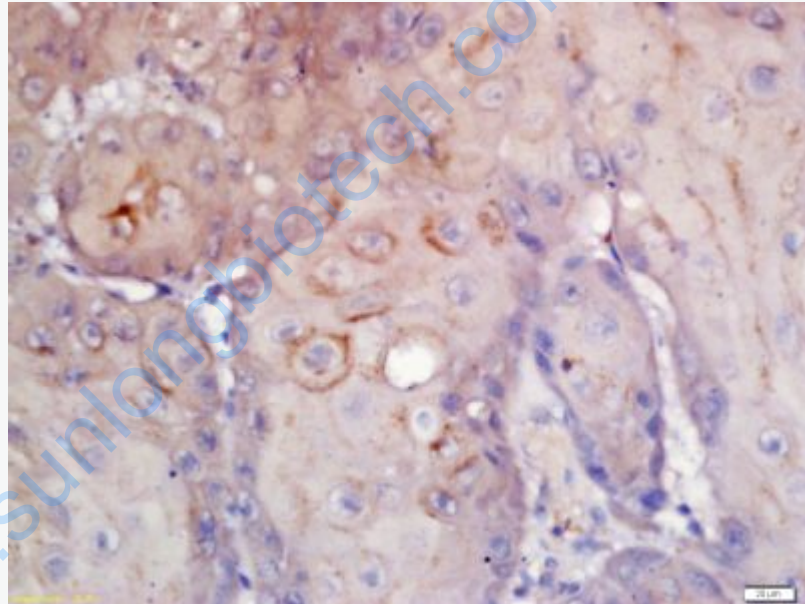
U-2OS(Human) Cell Lysate at 30 ug

Primary: Anti- CD276 (SL11019R) at 1/1000 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 54 kD

Observed band size: 54 kD



Tissue/cell: Human laryngeal tissue; 4% Paraformaldehyde-fixed and paraffin-embedded;

Antigen retrieval: citrate buffer ( 0.01M, pH 6.0 ), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37°C for 20 min;

Incubation: Anti-CD276 Polyclonal Antibody, Unconjugated(SL11019R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and

	DAB(C-0010) staining
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