

**ICOS / CD278 Antibody**  
**Rabbit Anti Human Polyclonal Antibody**  
**Catalog # ABV11727****Specification**

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**ICOS / CD278 Antibody - Product Information**

Application	FC, IHC, WB
Primary Accession	<a href="#">O9Y6W8</a>
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	22625

**ICOS / CD278 Antibody - Additional Information****Gene ID** 29851

Positive Control	WB: Jurkat cell lysate, FC: Jurkat cells, IHC: human lymph
Application & Usage	WB; 1:1000, IHC-P; 1:50~100, FC; 1:10~51

**Other Names**

Inducible T-cell costimulator, Activation-inducible lymphocyte immunomediatory molecule, CD278, ICOS, AILIM

**Target/Specificity**

ICOS

**Antibody Form**

Liquid

**Appearance**

Colorless liquid

**Formulation**

PBS with 0.09% (W/V) sodium azide.

**Handling**

The antibody solution should be gently mixed before use.

**Reconstitution & Storage**

-20 °C

**Background Descriptions****Precautions**

ICOS / CD278 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

## ICOS / CD278 Antibody - Protein Information

**Name** ICOS

**Synonyms** AILIM

### Function

Enhances all basic T-cell responses to a foreign antigen, namely proliferation, secretion of lymphokines, up-regulation of molecules that mediate cell-cell interaction, and effective help for antibody secretion by B-cells. Essential both for efficient interaction between T and B-cells and for normal antibody responses to T-cell dependent antigens. Does not up-regulate the production of interleukin- 2, but superinduces the synthesis of interleukin-10. Prevents the apoptosis of pre-activated T-cells. Plays a critical role in CD40- mediated class switching of immunoglobulin isotypes (By similarity).

### Cellular Location

[Isoform 1]: Cell membrane; Single- pass type I membrane protein

### Tissue Location

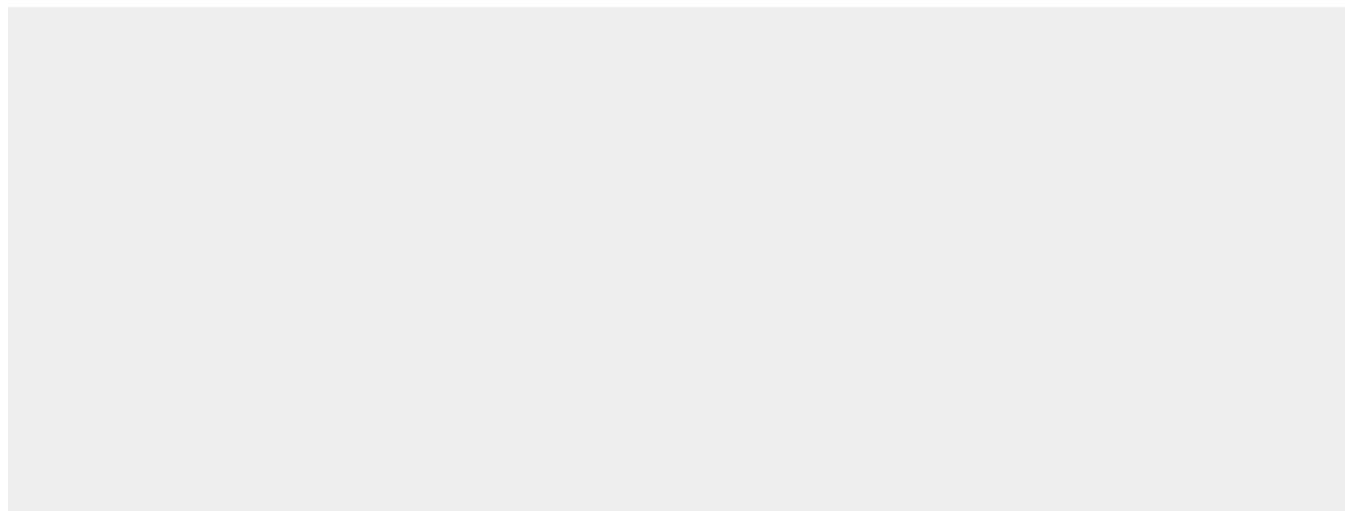
Activated T-cells. Highly expressed on tonsillar T- cells, which are closely associated with B-cells in the apical light zone of germinal centers, the site of terminal B-cell maturation Expressed at lower levels in thymus, lung, lymph node and peripheral blood leukocytes. Expressed in the medulla of fetal and newborn thymus

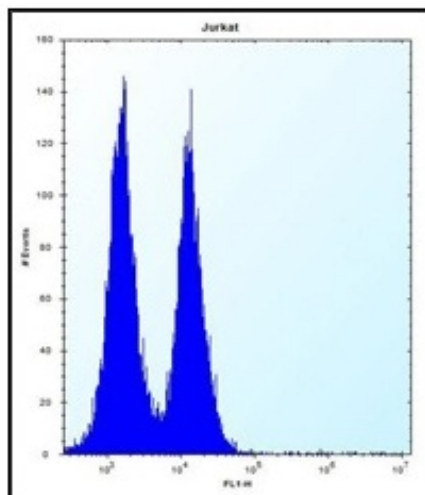
## ICOS / CD278 Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

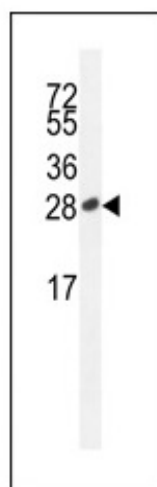
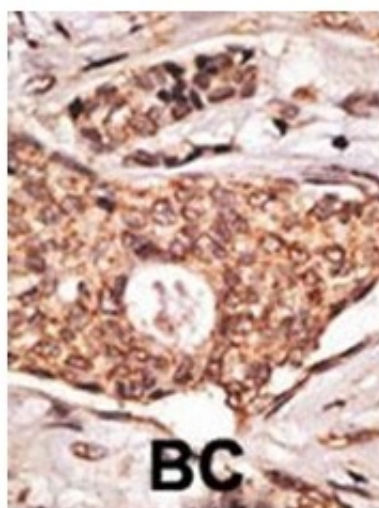
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

## ICOS / CD278 Antibody - Images





FC analysis of Jurkat cells.



Western blot analysis of CD27 antibody in Jurkat cell lysates.

**ICOS / CD278 Antibody - Background**

ICOS belongs to the CD28 and CTLA-4 cell-surface receptor family. It forms homodimers and plays an important role in cell-cell signaling, immune responses, and regulation of cell proliferation.