

## ARG58111 anti-CD278 / ICOS antibody

Package: 50 µg  
Store at: -20°C

### Summary

Product Description	Rabbit Polyclonal antibody recognizes CD278 / ICOS
Tested Reactivity	Hu, Ms, Rat
Tested Application	ELISA, IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	CD278 / ICOS
Species	Mouse
Immunogen	Recombinant protein corresponding to aa. E21-S200 of Mouse CD278 / ICOS.
Conjugation	Un-conjugated
Alternate Names	CD antigen CD278; CD278; Inducible T-cell costimulator; ALLIM; Activation-inducible lymphocyte immunomediatory molecule; CVID1

### Application Instructions

Application table	Application	Dilution
	ELISA	0.1 - 0.5 µg/ml
	IHC-P	1 - 2 µg/ml
	WB	0.5 - 1 µg/ml
Application Note	IHC-P: Antigen Retrieval: Steam tissue section in Citrate buffer (pH 6.0) for 10-20 min followed by cooling at RT. * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

### Properties

Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	PBS, 0.025% Sodium azide and 2% Trehalose.
Preservative	0.025% Sodium azide
Stabilizer	2% Trehalose
Concentration	0.5 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed

before use.

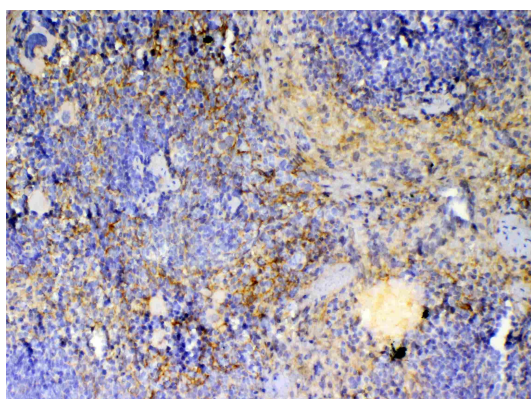
Note

For laboratory research only, not for drug, diagnostic or other use.

## Bioinformation

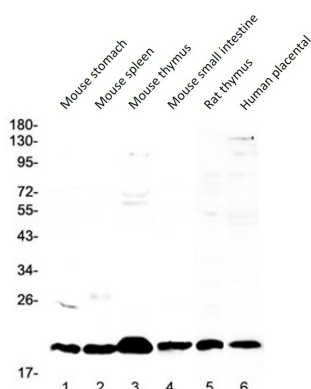
Gene Symbol	ICOS
Gene Full Name	inducible T-cell co-stimulator
Background	The protein encoded by this gene belongs to the CD28 and CTLA-4 cell-surface receptor family. It forms homodimers and plays an important role in cell-cell signaling, immune responses, and regulation of cell proliferation. [provided by RefSeq, Jul 2008]
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). [UniProt]
Calculated Mw	23 kDa
PTM	N-glycosylated. [UniProt]

## Images



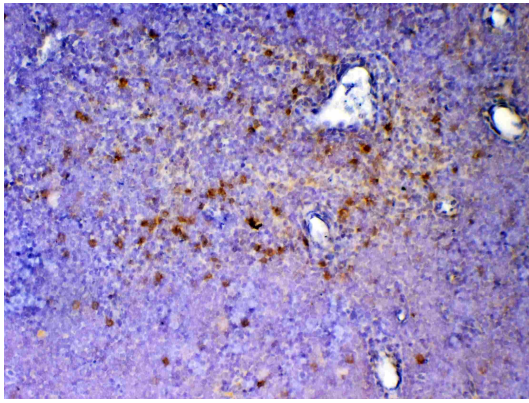
ARG58111 anti-CD278 / ICOS antibody IHC-P image

Immunohistochemistry: Formalin-fixed and paraffin-embedded Mouse spleen tissue stained with ARG58111 anti-CD278 / ICOS antibody at 1 µg/ml. Antigen Retrieval: Steam tissue section in Citrate buffer (pH 6.0) for 10-20 min followed by cooling at RT.



ARG58111 anti-CD278 / ICOS antibody WB image

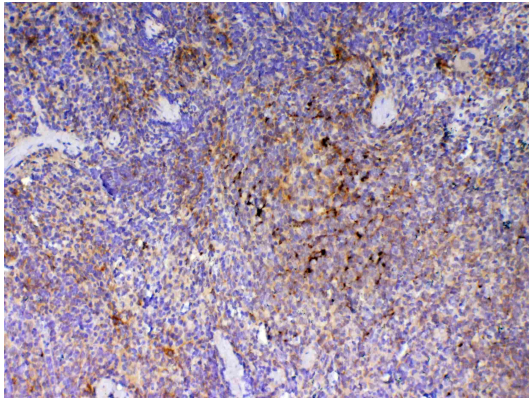
Western blot: 1) Mouse stomach, 2) Mouse spleen, 3) Mouse thymus, 4) Mouse small intestine, 5) Rat thymus and 6) Human placental lysate stained with ARG58111 anti-CD278 / ICOS antibody at 0.5 µg/ml dilution.



ARG58111 anti-CD278 / ICOS antibody IHC-P image

Immunohistochemistry: Formalin-fixed and paraffin-embedded Mouse thymus tissue stained with ARG58111 anti-CD278 / ICOS antibody at 1 µg/ml. Antigen Retrieval: Steam tissue section in Citrate buffer (pH 6.0) for 20 min followed by cooling at RT.

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ARG58111 anti-CD278 / ICOS antibody IHC-P image

Immunohistochemistry: Formalin-fixed and paraffin-embedded Rat spleen tissue stained with ARG58111 anti-CD278 / ICOS antibody at 1 µg/ml. Antigen Retrieval: Steam tissue section in Citrate buffer (pH 6.0) for 20 min followed by cooling at RT.

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