

ARG58112 anti-CD278 / ICOS antibody

Package: 50 µg
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes CD278 / ICOS
Tested Reactivity	Hu
Tested Application	ELISA, FACS, IHC-P
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	CD278 / ICOS
Species	Human
Immunogen	Recombinant protein corresponding to aa. E21-K140 of Human 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
	FACS	1 - 3 µg/10 ⁶ cells
	IHC-P	1 - 2 µg/ml
Application Note	IHC-P: Antigen Retrieval: Steam tissue section in Citrate buffer (pH 6.0) for 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.

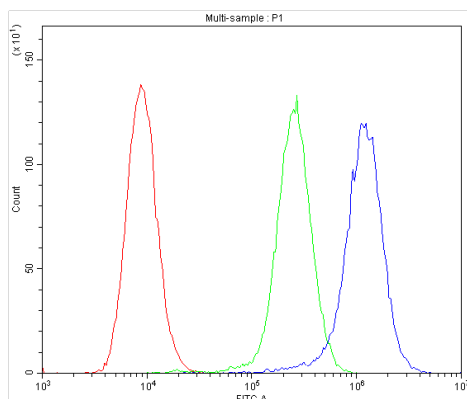
Note

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

Bioinformation

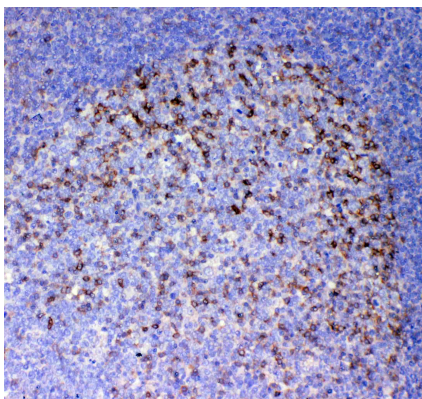
Gene Symbol	ICOS
Gene Full Name	inducible T-cell co-stimulator
Background	The protein encoded by this gene belongs to the CD28 and CTLA-4 cell-surface receptor family. It forms homodimers and plays an important role in cell-cell signaling, immune responses, and regulation of cell proliferation. [provided 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



ARG58112 anti-CD278 / ICOS antibody FACS image

Flow Cytometry: Raji cells stained with ARG58112 anti-CD278 / ICOS antibody at 1 $\mu\text{g}/10^6$ cells (cells blocked with goat sera). Red: Cells alone, Green: Isotype control, Blue: Primary antibody.



ARG58112 anti-CD278 / ICOS antibody IHC-P image

Immunohistochemistry: Formalin-fixed and paraffin-embedded Human tonsil tissue stained with ARG58112 anti-CD278 / ICOS antibody at 1 $\mu\text{g}/\text{ml}$. Antigen Retrieval: Steam tissue section in Citrate buffer (pH 6.0) for 20 min followed by cooling at RT.