

Rabbit anti-Human ICOS/CD278 Monoclonal Antibody | anti-ICOS/CD278 antibody

ICOS/CD278 (RM417)

CATALOG # AAA59375	HOST Rabbit	REACTIVITY Human
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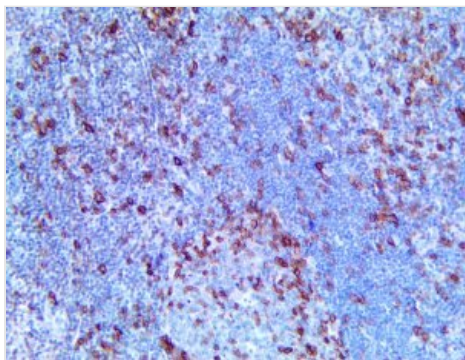
PRODUCT SYNONYMS

ICOS/CD278; Monoclonal Antibody; ICOS/CD278 (RM417); icos; into-icos; cd278. anti-cd278; t-cell costimulatory molecule; anti-ICOS/CD278 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG
Clone Number	RM417
Form/Format	Paraffin, Frozen ICOS is a rabbit monoclonal antibody derived from cell culture supernatant that is concentrated, dialyzed, filter sterilized and diluted in buffer pH7.5, containing BSA and sodium azide as a preservative.
Immunogen	Synthetic peptide corresponding to residues near the C-terminus of the human ICOS protein.
Control	Colon, Tonsil, Testis, Transitional Cell Carcinoma, T Cell Lymphoblastic Lymphoma
Localization	Membranous
Preparation and Storage	Store at 2-8 degree C (Control Slides: Store at 20-25 degree C)

IMAGES



IHC (Immunohistochemistry)
ICOS Antibody Immunohistochemistry on an FFPE Tonsil Tissue

Antibody Type	Dilution	Volume/QT
Prediluted	Ready-To-Use	3.0 ml
Prediluted	Ready-To-Use	7.0 ml
Prediluted	Ready-To-Use	15.0 ml
Concentrated	1:50-1:200	0.1 ml
Concentrated	1:50-1:200	0.5 ml
Concentrated	1:50-1:200	1.0 ml
Control Slides		5

Dilution Info

ADDITIONAL INFORMATION

Related Product Information for anti-ICOS/CD278 antibody	CD278 is also known as inducible T-cell costimulatory molecule (ICOS). CD278 is homologous to the CD28/CTLA-4 proteins and is expressed on activated T cells and unstimulated thymocytes. CD278 plays a major role in regulation of cell-cell signaling, adaptive immune response, and cell proliferation. Interaction of CD278 and its ligand ICOS-L results in increased production of interleukins, which promote differentiation of Tfh and Tregs and development of Th1, Th2, and Th17 cells. CD278/ICOS-L interaction has been shown to promote either antitumor T cell response or pro-tumor responses when triggered in Tregs (such as in Multiple Myeloma, Acute Myeloid Leukemia, and some invasive Breast Carcinomas). Therefore, both agonistic and antagonistic monoclonal antibodies targeting this pathway can be potential cancer immunotherapy. ICOS antibody is primarily expressed on activated CD4+ and CD8+ T cells where it regulates immune responses and plays a role in the regulation of T Follicular helper cells. ICOS antibody is a sensitive marker for identifying T cell Lymphomas of Follicular Helper T cell origin, especially certain patterns of Angioimmunoblastic T-cell lymphoma (AITL) and Peripheral T-cell lymphomas with T-follicular Helper Phenotype (PTCL-TFH). This is becoming increasingly important given WHO 2016 test guidelines. Immunohistochemical analysis revealed that ICOS is widely expressed by malignant cells in skin biopsy specimens from patients with Mycosis Fungoides and Sézary syndrome (SS), as well as involved in node biopsy specimens from patients with SS.
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For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/icos-cd278-antibody-clone-rm417-elisa/59375>