

Rabbit ICOS Polyclonal Antibody | anti-ICOS antibody

Anti-ICOS Picoband antibody

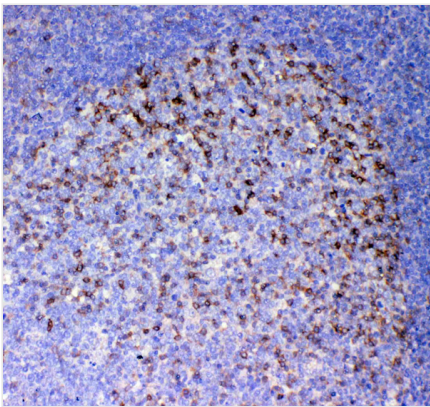
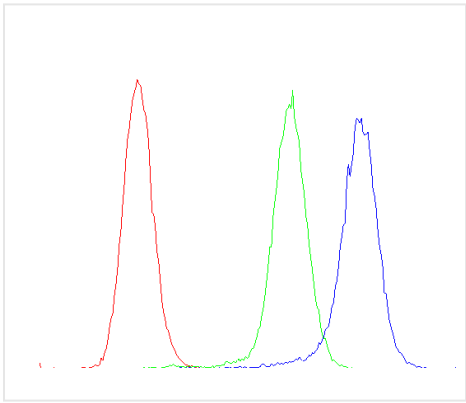
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA124562	Rabbit	HumanNo cross reactivity with other proteins.	Immunocytochemistry, Immunohistochemistry, Flow Cytometry, Functional Assay, ELISA

PRODUCT SYNONYMS

ICOS; Polyclonal Antibody; Anti-ICOS Picoband antibody; Inducible T-cell costimulator; Activation-inducible lymphocyte immunomediatory molecule; CD278; AILIM; anti-ICOS antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human No cross reactivity with other proteins.
Clonality	Polyclonal
Form/Format	Lyophilized
Sequence Length	168
Applicable Applications for anti-ICOS antibody	ICC (Immunocytochemistry), IHC (Immunohistochemistry), FCM/FACS (Flow Cytometry), ELISA
Immunogen	E Coli-derived human ICOS recombinant protein (Position: E21-K140).
Subcellular Localization	Isoform 1: Cell membrane; Single-pass type I membrane protein.
Tissue Specificity	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.
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Contents	Each vial contains 4mg Trehalose, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg NaN3.
Preparation and Storage	Store at -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing.



FCM/FACS (Flow Cytometry)
Figure 2. Flow Cytometry analysis of Raji cells using anti-ICOS antibody (AAA124562). Overlay histogram showing Raji cells stained with AAA124562 (Blue line). The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-ICOS Antibody (AAA124562, 1ug/1x10⁶ cells) for 30 min at 20 degree C. DyLight[®]488 conjugated goat anti-rabbit IgG (5-10ug/1x10⁶ cells) was used as secondary antibody for 30 minutes at 20 degree C. Isotype control antibody (Green line) was rabbit IgG (1ug/1x10⁶) used under the same conditions. Unlabelled sample (Red line) was also used as a control.

IHC (Immunohistochemistry)
Figure 1. IHC analysis of ICOS using anti-ICOS antibody (AAA124562). ICOS was detected in paraffin-embedded section of human tonsil tissue. Heat mediated antigen retrieval was performed in citrate buffer (pH6, epitope retrieval solution) for 20 mins. The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 1ug/ml rabbit anti-ICOS Antibody (AAA124562) overnight at 4 degree C. Biotinylated goat anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using Streptavidin-Biotin-Complex (SABC) with DAB as the chromogen.

ADDITIONAL INFORMATION

Related Product Information for anti-ICOS antibody	Description: Inducible T-cell costimulator is an immune checkpoint protein that in humans is encoded by the ICOS gene. 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. Protein 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).
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NCBI AND UNIPROT INFORMATION

NCBI GI #	15029518
NCBI GeneID	29851
NCBI Accession #	NP_036224.1
NCBI GenBank Nucleotide #	NM_012092.3
UniProt Accession #	Q9Y6W8; Q8N6W8
Molecular Weight	19,127 Da
NCBI Official Full Name	inducible T-cell costimulator
NCBI Official Synonym Full Names	inducible T cell costimulator
NCBI Official Symbol	ICOS
NCBI Official Synonym Symbols	AILIM; CD278; CVID1
NCBI Protein Information	inducible T-cell costimulator
UniProt Protein Name	Inducible T-cell costimulator
UniProt Gene Name	ICOS
UniProt Synonym Gene Names	AILIM

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/polyclonal/icos-antibody-immunocytochemistry-immunohistochemistry-flow-cytometry-elisa/124562>