

ICOS / CD278 Polyclonal Antibody | anti-ICOS / CD278 antibody

Anti-ICOS / CD278 Antibody IHC-plus

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA52651	ICOS/CD278 antibody was produced in Rabbit.	Mouse, Rat, Human	Western Blot, Immunofluorescence, Immunohistochemistry

PRODUCT SYNONYMS

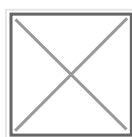
ICOS / CD278; Polyclonal Antibody; Anti-ICOS / CD278 Antibody IHC-plus; Rabbit Polyclonal (IgG) to Human ICOS / CD278; Human ICOS / CD278; ICOS; AILIM; CVID1; Inducible costimulator; Inducible T-cell co-stimulator; CD278 antigen; Inducible T-cell costimulator; anti-ICOS / CD278 antibody

PRODUCT SPECIFICATIONS

Host	ICOS/CD278 antibody was produced in Rabbit.
Reactivity	Mouse, Rat, Human
Clonality	Polyclonal
Isotype	IgG
Specificity	Human ICOS
Purity/Purification	Affinity purified
Form/Format	PBS, pH 7.3, 0.02% sodium azide, 50% glycerol.
Concentration	1 mg/ml (varies by lot)
Sequence Length	199
Applicable Applications for anti-ICOS / CD278 antibody	WB (Western Blot), IF (Immunofluorescence), IHC (Immunohistochemistry)
Immunogen Species	ICOS / CD278 antibody was raised against Human
Immunogen	ICOS/CD278 antibody was raised against recombinant protein of human ICOS.
Antigen Type	Recombinant protein
Target Species	ICOS/CD278
Disclaimer	Due to the highly specific nature of antibodies and antigens, we cannot predict or be held responsible with respect to how this antibody will behave in your systems. Researchers using this antibody should conduct optimization studies to achieve the most optimal result possible for their intended application.

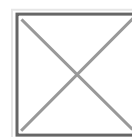
Recommended Immunohistochemistry Protocol	The following protocol is a recommendation only, and AAA Biotech makes no guarantee of the results: Tissue Preparation: Formalin fixation and embedding in paraffin wax. Tissue Sectioning: Make 4-um sections and place on pre-cleaned and charged microscope slides. Heat in a tissue-drying oven for 45 minutes at 60°C. Deparaffinization: Wash dry slides in 3 changes of xylene - 5 minutes each @ RT Rehydration: Wash slides in 3 changes of 100% alcohol - 3 minutes each @ RT Wash slides in 2 changes of 95% alcohol - 3 minutes each @ RT Wash slides in 1 change of 80% alcohol - 3 minutes @ RT Rinse slides in gentle running distilled water - 5 minutes @ RT Antigen retrieval: Steam slides in 0.01 M sodium citrate buffer, pH 6.0 at 99-100°C - 20 minutes Remove from heat and let stand at room temperature in buffer - 20 minutes Rinse in 1X TBS with Tween (TBST) -1 minute @ RT Immunostaining: (Do not allow tissues to dry at any time during the staining procedure) Apply a universal protein block - 20 minutes @ RT Drain protein block from slides, apply diluted primary antibody - 45 minutes @ RT Rinse slides in 1 X TBST - 1 minute @ RT Apply a biotinylated secondary antibody appropriate for the primary antibody - 30 minutes @ RT Rinse slides in 1X TBST -1 minute @ RT Apply alkaline phosphatase streptavidin - 30 minutes @ RT Rinse slides in 1X TBST -1 minute @ RT Apply alkaline phosphatase chromogen substrate - 30 minutes @ RT Wash slides in distilled water - 1 minute @ RT Dehydrate: (This method should only be used if the chromogen substrate is alcohol insoluble (e.g. Vector Red, DAB) Wash slides in 2 changes of 80% alcohol - 1 minute each @ RT Wash slides in 2 changes of 95% alcohol - 1 minute each @ RT Wash slides in 3 changes of 100% alcohol - 1 minute each @ RT Wash slides in 3 changes of xylene - 1 minute each @ RT Apply coverslip
Note	During shipment, small volumes of product will occasionally become entrapped in the seal of the product vial. We recommend briefly centrifuging the vial to dislodge any liquid in the container's cap prior to opening.
Warning	This reagent may contain sodium azide. The chemical, physical, and toxicological properties of this material have not been thoroughly investigated. Standard Laboratory Practices should be followed. Avoid skin and eye contact, inhalation, and ingestion. Sodium azide forms hydrazoic acid under acidic conditions and may react with lead or copper plumbing to form highly explosive metal azides. On disposal, flush with large volumes of water to prevent accumulation.
Preparation and Storage	Store at -20°C. Avoid freeze/thaw cycles.

IMAGES



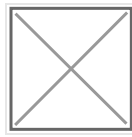
WB (Western Blot)

Western blot analysis of extracts of various cell lines, using ICOS antibody.

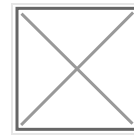


IF (Immunofluorescence)

Immunofluorescence analysis of MCF7 cell using ICOS antibody. Blue: DAPI for nuclear staining.

**IHC (Immunohistochemistry)**

Human Prostate: Formalin-Fixed, Paraffin-Embedded (FFPE)

**IHC (Immunohistochemistry)**

Human Small Intestine: Formalin-Fixed, Paraffin-Embedded (FFPE)

ADDITIONAL INFORMATION**Related Product Information for anti-ICOS / CD278 antibody**

ICOS Antibody, AILIM Antibody, CD278 Antibody, CVID1 Antibody, Inducible costimulator Antibody, Inducible T-cell co-stimulator Antibody, CD278 antigen Antibody, Inducible T-cell costimulator Antibody Description: 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.

NCBI AND UNIPROT INFORMATION

NCBI GI #	50400701
NCBI GeneID	29851
UniProt Accession #	Q9Y6W8 ; Q8N6W8
NCBI Official Full Name	Inducible T-cell costimulator
NCBI Official Synonym Full Names	inducible T-cell co-stimulator
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
UniProt Entry Name	ICOS_HUMAN

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.comOnline datasheet: <https://stage.aaabiotech.com/polyclonal/icos-cd278-antibody-western-blot-immunofluorescence-immunohistochemistry-elisa/52651>