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ICOS Antibody (internal region)

Peptide-affinity purified goat antibody
Catalog # AF2982a

Specification

ICOS Antibody (internal region) - Product Information

Application	**E**
Primary Accession	Q9Y6W8
Other Accession	NP_036224.1, 29851, 54167 (mouse)
Predicted	**Human, Mouse**
Host	**Goat**
Clonality	**Polyclonal**
Concentration	**0.5 mg/ml**
Isotype	**IgG**
Calculated MW	**22625**

ICOS Antibody (internal region) - Additional Information

Gene ID 29851

Other Names
Inducible T-cell costimulator, Activation-inducible lymphocyte immunomediatory molecule, CD278, ICOS, AILIM

Format
0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
ICOS Antibody (internal region) is for research use only and not for use in diagnostic or therapeutic procedures.

ICOS Antibody (internal region) - Protein Information

Name ICOS

Synonyms AILIM

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 immunoglobin isotypes (By similarity).

Cellular Location
[Isoform 1]: Cell membrane; Single- pass type I membrane protein

Tissue Location
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

ICOS Antibody (internal region) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

ICOS Antibody (internal region) - Images

ICOS Antibody (internal region) - References

Expression of ICOS on human melanoma-infiltrating CD4+CD25highFoxp3+ T regulatory cells: implications and impact on tumor-mediated immune suppression. Strauss L, Bergmann C, Szczepanski MJ, Lang S, Kirkwood JM, Whiteside TL, J Immunol. 2008 Mar 1;180(5):2967-80. PMID: 18292519