

### ICOS Rabbit mAb

Catalog # AP77044

# **Specification**

### ICOS Rabbit mAb - Product Information

Application
Primary Accession
Reactivity
Host
Clonality
Calculated MW

WB
O9Y6W8
Human, Mouse, Rat
Rabbit
Monoclonal Antibody
22625

# ICOS Rabbit mAb - Additional Information

Gene ID 29851

Other Names ICOS

**Dilution** WB~~1/500-1/1000

Format Liquid

## **ICOS Rabbit mAb - Protein Information**

**Name ICOS** 

**Synonyms AILIM** 

## **Function**

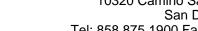
Stimulatory receptor expressed in activated or antigen- experienced T-cells that plays an important role in the immune response (PubMed:<a

href="http://www.uniprot.org/citations/9930702" target="\_blank">9930702</a>). Upon binding to its ligand ICOSL expressed on antigen presenting cells (APCs), delivers costimulatory signals that enhances all basic T-cell responses to a foreign antigen, namely proliferation, secretion of lymphokines including IL10, up-regulation of molecules that mediate cell-cell interaction, and effective help for antibody secretion by B-cells (PubMed:<a

href="http://www.uniprot.org/citations/33033255" target="\_blank">33033255</a>). Acts also as a costimulatory receptor critical for the differentiation of T follicular regulatory cells upon immune challenges such as viral infection (PubMed:<a href="http://www.uniprot.org/citations/27135603" target="\_blank">27135603</a>). Mechanistically, potentiates TCR-induced calcium flux by augmenting PLCG1 activation and actin remodeling (By similarity). In addition, activates PI3K signaling pathways independently of calcium flux (PubMed:<a

href="http://www.uniprot.org/citations/30523347" target="\_blank">30523347</a>). Essential both for efficient interaction between T and B-cells and for normal antibody responses to T-cell dependent antigens. 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 Rabbit mAb - Protocols**

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

- Western Blot
- Blocking Peptides
- Dot Blot
- <u>Immunohistochemistry</u>
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

# ICOS Rabbit mAb - Images

