

ICOS Rabbit mAb
Catalog # AP77044**Specification**

ICOS Rabbit mAb - Product Information

Application	WB
Primary Accession	O9Y6W8
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Monoclonal Antibody
Calculated MW	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: [9930702](http://www.uniprot.org/citations/9930702)). 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: [33033255](http://www.uniprot.org/citations/33033255)). Acts also as a costimulatory receptor critical for the differentiation of T follicular regulatory cells upon immune challenges such as viral infection (PubMed: [27135603](http://www.uniprot.org/citations/27135603)). 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: [30523347](http://www.uniprot.org/citations/30523347)). 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 immunoglobulin 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](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

ICOS Rabbit mAb - Images

