

# Product Information

## Recombinant Anti-Human icos Antibody

Cat. No.: **MOM-18383**

This product is for research use only and is not intended for diagnostic use.

### Product Overview

Recombinant Mouse Antibody is specific to Human ICOS, expressed in Chinese Hamster Ovary cells(CHO)

### Antigen 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. Prevents the apoptosis of pre-activated T-cells. Plays a critical role in CD40-mediated class switching of immunoglobulin isotypes.

### Specific Activity

Tested positive against native antigen.

### Target

ICOS

### Source

Mouse

### Species Reactivity

Human

### Type

IgG

### Expression Host

CHO

### Purity

>95.0% as determined by Analysis by RP-HPLC & analysis by SDS-PAGE.

### Applications

Suitable for use in ELISA, FC, IP, FuncS, IF, Neut and most other immunological methods.

### Storage

Store at -20°C. Avoid multiple freeze/thaw cycles.

## ANTIGEN GENE INFORMATION

### Gene Name

[ICOS inducible T-cell co-stimulator \[ Homo sapiens \]](#)

**Official Symbol**

ICOS

**Synonyms**

ICOS; inducible T-cell co-stimulator; inducible T-cell costimulator; activation inducible lymphocyte immunomediatory molecule; AILIM; CD278; inducible costimulator; activation-inducible lymphocyte immunomediatory molecule; CVID1; MGC39850

**Gene ID**

[29851](#)

**mRNA Refseq**

[NM\\_012092](#)

**Protein Refseq**

[NP\\_036224](#)

**MIM**

[604558](#)

**UniProt ID**

Q9Y6W8

**Chromosome Location**

2q33

**Pathway**

Adaptive Immune System, organism-specific biosystem; Cell adhesion molecules (CAMs), organism-specific biosystem; Cell adhesion molecules (CAMs), conserved biosystem; Costimulation by the CD28 family, organism-specific biosystem; Immune System, organism-specific biosystem; Intestinal immune network for IgA production, organism-specific biosystem; Intestinal immune network for IgA production, conserved biosystem;