

Recombinant Mouse Inducible T-cell Co-stimulator

Cat. No. Icos-1747M Lot. No. (See product label)

SPECIFICATION

Species	Mouse
Source	Sf21 Cells
Description	Inducible co-stimulator (ICOS) is an inducible homodimeric costimulator protein that is structurally and functionally related to CD28. It is a third member of the CD28/CTLA4 family and it is expressed on activated T cells. ICOS regulates CD28-dependent and CD28-independent CD4 (+) subset (Th1 and Th2) responses. ICOS is a major regulator of the adaptive immune system and therefore, has a protective role in inflammatory autoimmune diseases.
Molecular Weight	The predicted molecular weight of Recombinant Mouse ICOS is Mr 44 kDa. However, the actual molecular weight as observed by migration on SDS Page is Mr 47 kDa.
State Of Matter	Lyophilized.
Purity	>95% by SDS Page and analyzed by silver stain.
Endotoxin	<1.0 EU/g as determined by the LAL method.
Storage And Stability	This lyophilized protein is stable for six to twelve months when stored desiccated at -20°C to -70°C. After aseptic reconstitution, this protein may be stored at 2°C to 8°C for one month or at -20°C to -70°C in a manual defrost freezer. Avoid Repeated Freeze Thaw Cycles. See Product Insert for exact lot specific storage instructions.

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GENE INFORMATION

Gene Name	Icos inducible T-cell co-stimulator [<i>Mus musculus</i>]
Synonyms	Icos; inducible T-cell co-stimulator; H4; AILIM; Ly115; OTTMUSP00000002206
Gene ID	54167
mRNA Refseq	NM_017480
Protein Refseq	NP_059508
UniProt ID	Q9WVS0
Chromosome Location	1 C2; 1 32.0 cM
Pathway	Cell adhesion molecules (CAMs); Primary immunodeficiency; T cell receptor signaling pathway
Function	protein binding

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