

Active Recombinant Mouse Icos, MIgG2a Fc-tagged

Cat. No. Icos-1821M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	The extracellular domain of mouse CD278 [ICOS] (NP_059508.2) (Glu21-Leu142) is fused to the N-terminus of the Fc region of mouse IgG2a.
Species	Mouse
Source	CHO
ProteinLength	21-142 a.a.
Description	The protein encoded by this gene belongs to the CD28 and CTLA-4 cell-surface receptor family. It forms homodimers and plays an important role in cell-cell signaling, immune responses, and regulation of cell proliferation.
Form	Lyophilized from 0.2µm-filtered solution in PBS.
Bio-activity	Measured by its binding ability in a functional ELISA.
Molecular Mass	40 KDa (monomer)
AA Sequence	Glu21-Leu142
Endotoxin	<0.06 eu/µg="" as="" determined="" by="" lal="" test="">
Purity	>98%, by SDS-PAGE under reducing conditions.

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Stability	Stable for at least 1 year after receipt when stored at -20°C. Working aliquots are stable for up to 3 months when stored at -20°C.
Reconstitution	Reconstitute at 100µg/ml in sterile PBS.
Warning	Avoid freeze/thaw cycles.
GENE INFORMATION	
Gene Name	Icos inducible T cell co-stimulator [<i>Mus musculus</i>]
Official Symbol	Icos
Synonyms	ICOS; inducible T cell co-stimulator; inducible T-cell costimulator; CD28-related protein 1; CD28 and CTLA-4-like protein; inducible T-cell co-stimulator; activation-inducible lymphocyte immunomediatory molecule; H4; CCLP; AILIM; CRP-1; Ly115;
Gene ID	54167
mRNA Refseq	NM_017480
Protein Refseq	NP_059508
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;
Function	protein binding;

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