

ICOS Protein, Mouse (C137S, C138S, HEK293, His)

Cat. No.:	HY-P78306
Synonyms:	AILIM; CD278; CRP-1; CVID1; ICOS; MGC39850
Species:	Mouse
Source:	HEK293
Accession:	Q9WVS0 (E21-L144, C137S, C138S)
Gene ID:	54167
Molecular Weight:	27-38 kDa

PROPERTIES

Appearance	Solution.
Formulation	Supplied as a 0.22 µm filtered solution of PBS, pH 7.4.
Endotoxin Level	<1 EU/µg, determined by LAL method.
Reconstitution	N/A.
Storage & Stability	Stored at -80°C for 1 year. It is stable at -20°C for 3 months after opening. It is recommended to freeze aliquots at -80°C for extended storage. Avoid repeated freeze-thaw cycles.
Shipping	Shipping with dry ice.

DESCRIPTION

Background	The ICOS protein enhances all fundamental T-cell responses to foreign antigens, including proliferation, secretion of lymphokines, up-regulation of cell-cell interaction molecules, and providing effective help for antibody secretion by B-cells. It is essential for facilitating efficient communication between T and B-cells and for normal antibody responses to T-cell dependent antigens. Although it does not increase the production of interleukin-2, it superinduces the synthesis of interleukin-10. Additionally, it prevents apoptosis of pre-activated T-cells and plays a critical role in CD40-mediated class switching of immunoglobulin isotypes. ICOS exists as a homodimer, connected by disulfide bonds.
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Caution: Product has not been fully validated for medical applications. For research use only.

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