

ICOS Protein, Rhesus macaque (HEK293,Fc)

Cat. No.:	HY-P70187
Synonyms:	rRhInducible T-cell costimulator/ICOS, Fc ; Inducible T-cell costimulator; activation-inducible lymphocyte immunomediatory molecule; CD278; AILIM; CVID1; ICOS
Species:	Rhesus Macaque
Source:	HEK293
Accession:	H9Z062 (G20-K140)
Gene ID:	705788
Molecular Weight:	50-60 kDa

PROPERTIES

AA Sequence	<p> G E I N G S A N Y E M F I F H N G G V Q I L C K Y P D I V Q Q F K M Q L L K G G Q I L C D L T K T K G S G N T V S I K S L K F C H S Q L S N N S V S F F L Y N L D R S H A N Y Y F C N L S I F D P P P F K V T L T G G Y L H I Y E S Q L C C Q L K </p>
Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4.
Endotoxin Level	<1 EU/µg, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH ₂ O. For long term storage it is recommended to add a carrier protein (0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose).
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

DESCRIPTION

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

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