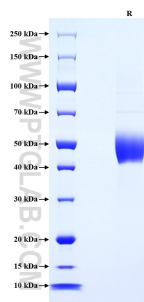


# Recombinant Mouse ICOS/CD278 protein (rFc Tag)

Catalog Number: Eg3198

Basic Information	Species: Mouse	Purity: >90 %, SDS-PAGE	Tag: rFc Tag
Technical Specifications	<p><b>Purity:</b> &gt;90 %, SDS-PAGE</p> <p><b>Endotoxin Level:</b> &lt;0.1 EU/ µg protein, LAL method</p> <p><b>Source:</b> HEK293-derived Mouse ICOS protein Glu21-Leu144 (Accession# Q9WVS0) with a rabbit IgG Fc tag at the C-terminus.</p> <p><b>GeneID:</b> 54167</p> <p><b>Accession:</b> Q9WVS0</p> <p><b>Predicted Molecular Mass:</b> 40.5 kDa</p> <p><b>SDS-PAGE:</b> 42-55 kDa, reducing (R) conditions</p> <p><b>Formulation:</b> Lyophilized from 0.22 µm filtered solution in PBS, pH 7.4. Normally 5% trehalose and 5% mannitol are added as protectants before lyophilization.</p>		
Biological Activity	Not tested		
Storage and Shipping	<p><b>Storage:</b> It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.</p> <ul style="list-style-type: none"><li>• Until expiry date, -20°C to -80°C as lyophilized proteins.</li><li>• 3 months, -20°C to -80°C under sterile conditions after reconstitution.</li></ul> <p><b>Shipping:</b> The product is shipped at ambient temperature. Upon receipt, store it immediately at the recommended temperature.</p>		
Reconstitution	Briefly centrifuge the tube before opening. Reconstitute at 0.1-0.5 mg/mL in sterile water.		
Background	<p>Inducible T-cell costimulator (ICOS) is an activation-dependent, T cell-specific cell surface molecule related to CD28 and CTLA-4. ICOS 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. ICOS has to be de novo induced on the T-cell surface, does not upregulate the production of interleukin-2, but superinduces the synthesis of interleukin-10, a B-cell-differentiation factor. ICOS activated T-cells, Highly expressed on tonsillar T-cells, are closely associated with B-cells in the apical light zone of germinal centers, the site of terminal B-cell maturation. It is expressed at lower levels in thymus, lung, lymph node, and peripheral blood leukocytes. It is also expressed in the medulla of the fetal and newborn thymus.</p>		
References	<ol style="list-style-type: none"><li>1. Beier KC, et al. (2000). Eur J Immunol. 30(12):3707-17</li><li>2. Hutloff A, et al. (1999). Nature. 397(6716):263-266</li><li>3. Tezuka K, et al. (2000). Biochem Biophys Res Commun. 276(1):335-345</li></ol>		
Synonyms	Activation-inducible lymphocyte immunomediatory molecule, Ailim, CCLP, CD278, CD28 and CTLA-4-like protein		

## Selected Validation Data



Purity of Recombinant Mouse ICOS was determined by SDS-PAGE. The protein was resolved in an SDS-PAGE in reducing (R) conditions and stained using Coomassie blue.

For technical support and original validation data for this product please contact

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