

Rev07
 Update: Aug,20,2025

DATASHEET

ICOS Fc Chimera, Human

Cat. No.: Z03412

Product Introduction

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|----------------------------------|---|
| Species | Human |
| Protein Construction | <div style="display: flex; align-items: center; justify-content: center;"> <div style="background-color: #0056b3; color: white; padding: 5px; margin-right: 10px;"> ICOS (Glu21-Phe141) Accession # Q9Y6W8 </div> <div style="background-color: #76b82a; color: white; padding: 5px; margin-right: 10px;">hFc</div> </div> <div style="display: flex; justify-content: space-around; margin-top: 5px;"> N-term C-term </div> |
| Purity | > 90% as analyzed by SDS-PAGE |
| Endotoxin Level | < 0.2 EU/μg of protein by gel clotting method |
| Expression System | HEK 293 |
| Apparent Molecular Weight | ~50.5 kDa, on SDS-PAGE under reducing conditions. |
| Formulation | Lyophilized from a 0.2 μm filtered solution in PBS. |
| Reconstitution | It is recommended that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Reconstitute the lyophilized powder in ddH ₂ O or PBS up to 100 μg/ml. |
| Storage & Stability | Upon receiving, this product remains stable for 6 months at lower than -70°C. Upon reconstitution, the product should be stable for 1 week at 4°C or for 3 months at -20°C. For long term storage it is recommended that a carrier protein (example 0.1% BSA) be added. Avoid repeated freeze-thaw cycles. |

Background

Target Background : Inducible T-cell costimulator is an immune checkpoint protein that in humans is encoded by the ICOS gene. CD278 or ICOS (Inducible T-cell COStimulator) is a CD28-superfamily costimulatory molecule that is expressed on activated T cells. It is thought to be important for Th2 cells in particular. 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.

Synonyms : AILIM; CD278; CVID1; inducible T-cell co-stimulator; inducible T-cell costimulator; inducible T cell costimulator

For laboratory research use only. Direct human use, including taking orally and injection and clinical use are forbidden.

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