

Rev02
 Update: Aug,08,2025

DATASHEET

CD99/MIC2 hFc Chimera, Human

Cat. No.: Z04242

Product Introduction

Species	Human
Protein Construction	<div style="display: flex; justify-content: space-around; align-items: center;"> <div style="background-color: #0056b3; color: white; padding: 5px; text-align: center;"> CD99/MIC2 (Asp23-Asp122) Accession # AAH02584 </div> <div style="background-color: #76923c; color: white; padding: 5px; text-align: center;"> hFc </div> </div> <div style="display: flex; justify-content: space-around; margin-top: 5px;"> N-term C-term </div>
Purity	> 95% as determined by BisTris PAGE > 95% as determined by HPLC
Endotoxin Level	Less than 1EU per µg by the LAL method.
Expression System	HEK293
Theoretical Molecular Weight	36.7 kDa
Apparent Molecular Weight	Due to glycosylation, the protein migrates to 50-60 kDa based on Bis-Tris PAGE result.
Formulation	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4).
Reconstitution	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/ml is recommended. Dissolve the lyophilized protein in distilled water.
Storage & Stability	Upon receiving, the product remains stable up to 6 months at -20 °C or below. Upon reconstitution, the product should be stable for 3 months at -80 °C. Avoid repeated freeze-thaw cycles.

Background

Target Background : CD99 is a cell surface protein with unique features and only partly defined mechanisms of action. This molecule is involved in crucial biological processes, including cell adhesion, migration, death, differentiation and diapedesis, and it influences processes associated with inflammation, immune responses and cancer. CD99 is frequently overexpressed in many types of tumors, particularly pediatric tumors including Ewing sarcoma and specific subtypes of leukemia.

Synonyms : 12E7; E2 antigen; MIC2; MIC2X; MIC2Y; CD99; HBA71; MSK5X; 12E7; 1110061M03Rik; 2410026K10Rik; D4; pilr-1; Pilr-l; CD99 molecule

For research use only. Not intended for human or animal clinical trials, therapeutic or diagnostic use.

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