

Rev02  
 Update: Aug,08,2025
**DATASHEET**

# MICA alpha 3 mFc Chimera, Human

Cat. No.: Z05647

## Product Introduction

<b>Species</b>	Human
<b>Protein Construction</b>	<div style="display: flex; align-items: center; justify-content: space-between;"> <div style="background-color: #d9e1f2; padding: 5px; border: 1px solid #ccc;">mFc (IgG1)</div> <div style="background-color: #4f81bd; color: white; padding: 5px; border: 1px solid #ccc;">MICA alpha 3 (Arg105-Ser200)_x000D_ Accession # NP_001276081.1</div> </div> <div style="display: flex; justify-content: space-between; margin-top: 5px;"> <span>N-term</span> <span>C-term</span> </div>
<b>Purity</b>	> 95% as determined by BisTris PAGE > 95% as determined by HPLC
<b>Endotoxin Level</b>	Less than 1EU per µg by the LAL method.
<b>Biological Activity</b>	Measured by its binding ability in a functional ELISA. Immobilized MICA alpha 3 mFc Chimera, Human at 2µg/ml (100µl/well) on the plate can bind AntiMICA Antibody, hFc Tag. Test result was comparable to standard batch.
<b>Expression System</b>	HEK293
<b>Theoretical Molecular Weight</b>	36.8 kDa
<b>Apparent Molecular Weight</b>	Due to glycosylation, the protein migrates to 50-65 kDa based on Bis-Tris PAGE result.
<b>Formulation</b>	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4).
<b>Reconstitution</b>	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/ml is recommended. Dissolve the lyophilized protein in distilled water.
<b>Storage &amp; Stability</b>	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 :** MICA (MHC class I chain-related gene A) is a transmembrane glycoprotein that functions as a ligand for human NKG2D. A closely related protein, MICB, shares 85% amino acid identity with MICA. These proteins are distantly related to the MHC class I proteins. They possess three extracellular Ig-like domains, but they have no capacity to bind peptide or interact with beta 2-microglobulin.

**Synonyms :** MICA; MIC-A; MICA alpha 3

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

Manufacturer: Nanjing GenScript Biotech Co., Ltd. No. 28Yongxi Road, Jiangning District, Nanjing, Jiangsu, China

**GenScript USA, Inc.**

860 Centennial Ave. Piscataway, NJ 08854

Tel: 1-732-885-9188

