

Rev05
 Update: Mar,01,2022

DATASHEET

CD160 Fc Chimera, Human

Cat. No.: Z03449

Product Introduction

Species	Human
Protein Construction	<div style="display: flex; align-items: center; gap: 10px;"> <div style="background-color: #0056b3; color: white; padding: 5px; text-align: center;"> CD160 (Ile27-Ser159) Accession # O95971 </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; font-size: small;"> N-term C-term </div>
Purity	> 95% as analyzed by SDS-PAGE
Endotoxin Level	< 1 EU/μg of protein by gel clotting method
Biological Activity	Immobilized CD160, hFc, Human at 1.0 μg/ml (100 μl/well) can bind HVEM-Fc, Human-Biotin with a linear range of 0.617-50.0 μg/ml when detected by SA-HRP.
Expression System	HEK 293
Apparent Molecular Weight	~50 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 up to 6 months at lower than -70°C. Upon reconstitution, the product should be stable for up to 1 week at 4°C or up to 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 : CD160 is a glycosylphosphatidylinositol-anchored Ig domain protein that is expressed on almost all intestinal intraepithelial lymphocytes (IELs), γδ T (gamma delta T) cells, NK (natural killer) cells, and a minor subset of CD4+ and CD8+ T cells. In terms of function, work has centered on the role of CD160 in enhancing NK or CD8 T cell activation. Such effects have been attributed to the ability of CD160 to bind classical and nonclassical MHC class I molecules, although with apparent low affinity, requiring clustering of MHC class I molecules or overexpression of CD160 or MHC class I for detection of the interaction.

Synonyms : BY55; NK1; NK28

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