

Rev02
 Update: Aug,08,2025

DATASHEET

CD93/C1q R1 hFc Chimera, Human

Cat. No.: Z04233

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;"> CD93/C1q R1 (Thr22-Lys580) Accession # Q9NPY3 </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. |
| Biological Activity | Measured by its binding ability in a functional ELISA. Immobilized Human IGFBP7, His Tag at 5µg/ml (100µl/well) on the plate can bind CD93/C1q R1 hFc Chimera, Human. Test result was comparable to standard batch. |
| Expression System | HEK293 |
| Theoretical Molecular Weight | 85 kDa |
| Apparent Molecular Weight | Due to glycosylation, the protein migrates to 115-120 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 : CD93 has been shown critical roles in inflammatory and immune diseases. CD93 silencing increased IL-6 and TSLP, but not IL-33 levels in culture supernatants. HDM-induced asthma mice showed significant airway hyperresponsiveness and inflammation with Th2 cytokine activation, along with decreased CD93 expression in bronchial epithelial cells and lung homogenates but increased serum CD93 levels.

Synonyms : C1q/MBL/SPA receptor; C1qR; C1qR(p); C1qRp; CDw93; CD93; C1QR1; MXRA4; ECSM3; dJ737E23.1

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

