

Rev02
 Update: Aug,08,2025

DATASHEET

CD93/C1q R1, His, Human

Cat. No.: Z04234

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: #76b82a; color: white; padding: 5px; text-align: center;"> His </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 CD93/C1q R1, His, Human at 5µg/ml (100µl/well) on the plate can bind Human IGFBP7, hFc Tag. Test result was comparable to standard batch.
Expression System	HEK293
Theoretical Molecular Weight	59.4 kDa
Apparent Molecular Weight	Due to glycosylation, the protein migrates to 95-110 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

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