

Rev03  
 Update: Aug,08,2025

**DATASHEET**

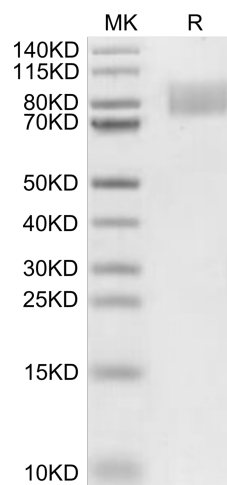
# ICAM-1/CD54, His, Cynomolgus

Cat. No.: Z04810

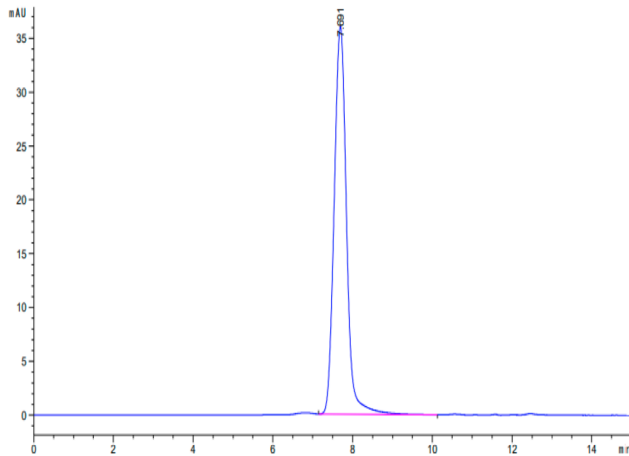
## Product Introduction

<b>Species</b>	Cynomolgus
<b>Protein Construction</b>	<div style="display: flex; justify-content: space-between; align-items: center;"> <div style="background-color: #0056b3; color: white; padding: 5px; text-align: center;"> <b>ICAM-1/CD54 (Gln28-Val480)</b>  <b>Accession # A0A2K5UKF7</b> </div> <div style="background-color: #76b82a; color: white; padding: 5px; text-align: center;"> <b>His</b> </div> </div> <div style="display: flex; justify-content: space-between; font-size: small; 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>Expression System</b>	HEK293
<b>Theoretical Molecular Weight</b>	50.55 kDa
<b>Apparent Molecular Weight</b>	Due to glycosylation, the protein migrates to 75-100 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.

## Examples



ICAM-1/CD54, His, Cynomolgus on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.



The purity of ICAM-1/CD54, His, Cynomolgus is greater than 95% as determined by SEC-HPLC.

## Background

**Target Background :** Intercellular adhesion molecule-1 (ICAM-1; CD54) is a 90 kDa member of the immunoglobulin (Ig) superfamily and is critical for the firm arrest and transmigration of leukocytes out of blood vessels and into tissues. ICAM-1 is constitutively present on endothelial cells, but its expression is increased by proinflammatory cytokines. The endothelial expression of ICAM-1 is increased in atherosclerotic and transplant-associated atherosclerotic tissue and in animal models of atherosclerosis

**Synonyms :** ICAM-1; BB2; CD54

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

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