

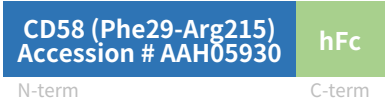
Rev02  
 Update: Aug,08,2025

**DATASHEET**

# CD58 hFc Chimera, Human

Cat. No.: Z04218

## Product Introduction

<b>Species</b>	Human
<b>Protein Construction</b>	 <p>CD58 (Phe29-Arg215)        Accession # AAH05930</p> <p>N-term                      hFc                      C-term</p>
<b>Purity</b>	<p>&gt; 95% as determined by BisTris PAGE</p> <p>&gt; 95% as determined by HPLC</p>
<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 Human CD2, His Tag at 2µg/ml (100µl/well) on the plate can bind CD58 hFc Chimera, Human. Test result was comparable to standard batch.
<b>Expression System</b>	HEK293
<b>Theoretical Molecular Weight</b>	48.1 kDa
<b>Apparent Molecular Weight</b>	Due to glycosylation, the protein migrates to 65-75 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 :** Loss of CD58 is a common mechanism for tumor immune evasion in lymphoid malignancies. CD58 loss is known to occur due to both genetic and non-genetic causes; therefore, we hypothesized that restoring CD58 expression in lymphoma cells may be an effective treatment approach. EZH2 is involved in the epigenetic silencing of CD58 in lymphoma cells as a mechanism for tumor immune escape, and EZH2 inhibitors are able to restore epigenetically suppressed CD58 expression.

**Synonyms :** Lymphocyte function-associated antigen 3;Ag3;CD58;LFA3

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