

Rev03  
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**DATASHEET**

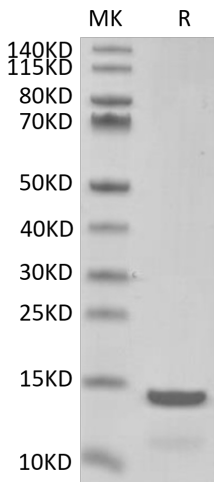
# B2M/beta 2-Microglobulin, His, Cynomolgus/Rhesus macaque

Cat. No.: Z04944

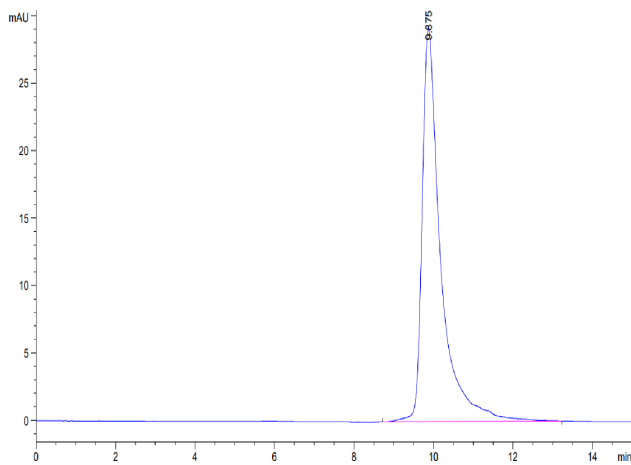
## Product Introduction

<b>Species</b>	Cynomolgus/Rhesus macaque
<b>Protein Construction</b>	<div style="display: flex; align-items: center; justify-content: center;"> <div style="background-color: #0056b3; color: white; padding: 5px; text-align: center;"> <b>B2M/beta 2-Microglobulin (Ile21-Met119)</b>            Accession # Q8SPW0         </div> <div style="background-color: #76b82a; color: white; padding: 5px; text-align: center; margin-left: 10px;"> <b>His</b> </div> </div> <div style="display: flex; justify-content: space-around; margin-top: 5px; font-size: small;"> <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>	12.7 kDa
<b>Apparent Molecular Weight</b>	Due to glycosylation, the protein migrates to 13-15 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



B2M/beta 2-Microglobulin, His, Cynomolgus/Rhesus macaque on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.



The purity of B2M/beta 2-Microglobulin, His, Cynomolgus/Rhesus macaque is greater than 95% as determined by SEC-HPLC.

## Background

**Target Background :** The genetic and functional analysis of  $\beta$ 2-microglobulin (B2M), a component of the HLA class-I complex. Acquired homozygous loss of B2M that caused lack of cell-surface HLA Class I expression in the tumor and a matched patient-derived xenograft (PDX). Downregulation of B2M was also found in two additional PDXs established from ICI-resistant tumors.

**Synonyms :** Beta-2-microglobulin; B2M;  $\beta$ -2-microglobulin

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

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