Cynomolgus/Rhesus macaque B2M/beta 2-Microglobulin Protein

Cat. No. B2M-CM101

Description

Source	Recombinant Cynomolgus/Rhesus macaque B2M/beta 2-Microglobulin Protein is expressed from HEK293 with His tag at the C-Terminus.
	It contains Ile21-Met119.
Accession	Q8SPW0
Molecular Weight	The protein has a predicted MW of 12.7 kDa. Due to glycosylation, the protein migrates to 13-15 kDa based on Tris-Bis PAGE result.
Endotoxin	Less than 1EU per μg by the LAL method.
Purity	> 95% as determined by Tris-Bis PAGE
	> 95% as determined by HPLC

Formulation and Storage

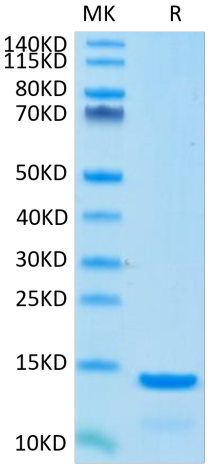
Formulation	Lyophilized from 0.22μm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 μg/ml is recommended. Dissolve the lyophilized protein in distilled water.
Storage	-20 to -80°C for 12 months as supplied from date of receipt. -20 to -80°C for 3-6 months in unopened state after reconstitution. 2-8°C for 2-7 days after reconstitution. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

Background

The genetic and functional analysis of β2-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.

Assay Data

Tris-Bis PAGE



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

SEC-HPLC

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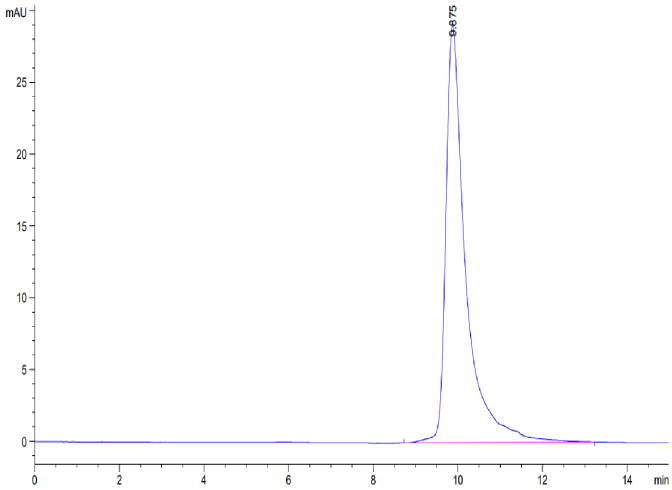
Assay Data



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