Mouse B2M/beta 2-Microglobulin Protein

Cat. No. B2M-MM201

Description

Source	Recombinant Mouse B2M/beta 2-Microglobulin Protein is expressed from HEK293 with hFc tag at the C-Terminus.
	It contains Ile21-Met119.
Accession	P01887
Molecular Weight	The protein has a predicted MW of 38.4 kDa. Due to glycosylation, the protein migrates to 40-50 kDa based on Bis-Tris PAGE result.
Endotoxin	Less than 1 EU per μg by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE
	> 95% as determined by HPLC

Formulation and Storage

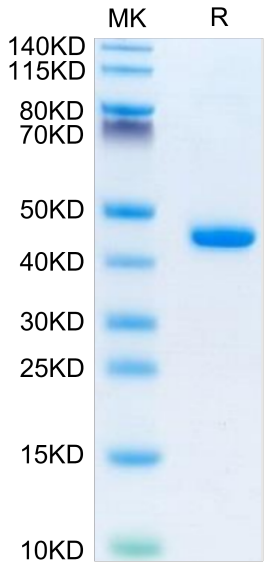
Formulation	Lyophilized from 0.22μm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Dissolve the lyophilized protein in distilled water. Please refer to the Certificate of Analysis for detailed instructions.
Storage	-20 to -80°C for 12 months as supplied from date of receipt.-80°C for 3 months 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

Bis-Tris PAGE



Mouse B2M on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

SEC-HPLC

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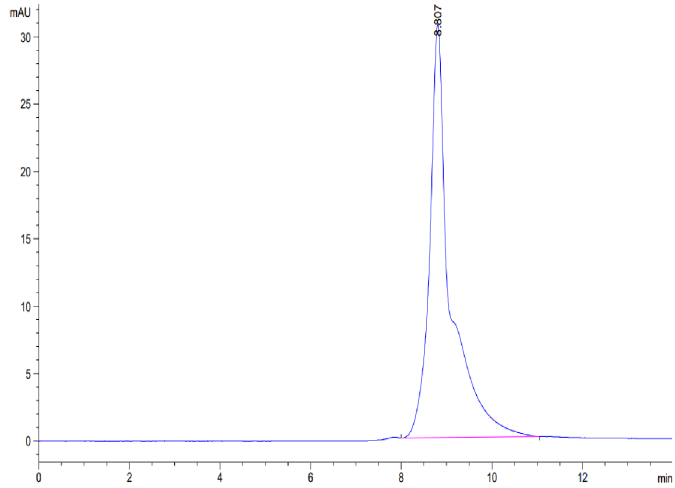

The purity of Mouse B2M is greater than 95% as determined by SEC-HPLC.