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Datasheet for ABIN7273890

beta-2 Microglobulin Protein (AA 21-119) (Fc Tag)

2 Images

Overview

Quantity:	100 µg
Target:	beta-2 Microglobulin (B2M)
Protein Characteristics:	AA 21-119
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This beta-2 Microglobulin protein is labelled with Fc Tag.

Product Details

Purpose:	Mouse B2M/beta 2-Microglobulin Protein
Sequence:	Ile21-Met119
Characteristics:	Recombinant Mouse B2M/beta 2-Microglobulin Protein is expressed from HEK293 with hFc tag at the C-Terminus.It contains Ile21-Met119.
Purity:	> 95 % as determined by Tris-Bis PAGE,> 95 % as determined by HPLC
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1EU per µg by the LAL method.

Target Details

Target:	beta-2 Microglobulin (B2M)
Alternative Name:	B2M (B2M Products)

Target Details

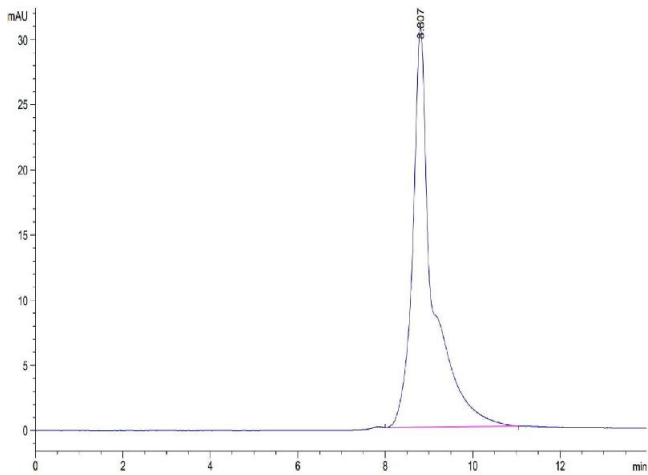
Background:	The genetic and functional analysis of β 2-microglobulin (B2M), a component of the HLA class-I complex. Acquired homozygous loss of B2M that caused lack of cell-surface HLA Class I expression in the tumor and a matched patient-derived xenograft (PDX). Downregulation of B2M was also found in two additional PDXs established from ICI-resistant tumors.
Molecular Weight:	38.4 kDa. Due to glycosylation, the protein migrates to 40-50 kDa based on Tris-Bis PAGE result.
UniProt:	P01887
Pathways:	TCR Signaling , Regulation of Leukocyte Mediated Immunity , Positive Regulation of Immune Effector Process

Application Details

Restrictions:	For Research Use only
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Handling

Format:	Lyophilized
Reconstitution:	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 μ g/mL is recommended. Dissolve the lyophilized protein in distilled water.
Buffer:	Lyophilized from 0.22 μ m filtered solution in PBS (pH 7.4). Normally 8 % trehalose is added as protectant before lyophilization.
Storage:	-20 $^{\circ}$ C,-80 $^{\circ}$ C
Storage Comment:	-20 to -80 $^{\circ}$ C for 12 months as supplied from date of receipt.,-80 $^{\circ}$ C for 3-6 months after reconstitution.,2-8 $^{\circ}$ C for 2-7 days after reconstitution.,Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.
Expiry Date:	12 months



Size-exclusion chromatography-High Pressure Liquid Chromatography

Image 1. The purity of Mouse B2M is greater than 95 % as determined by SEC-HPLC.



SDS-PAGE

Image 2. Mouse B2M on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .