

Datasheet for ABIN7583237

MHC, Class I Protein (AA 24-297, Monomer) (Biotin,His-Avi Tag)



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Overview

Quantity:	100 µg
Target:	MHC, Class I
Protein Characteristics:	AA 24-297, Monomer
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This MHC, Class I protein is labelled with Biotin,His-Avi Tag.

Product Details

Purpose:	Biotinylated Mouse H-2K(b)&B2M&OVA (SIINFEKL) Monomer Protein
Sequence:	His24-Pro297(H-2K(b)), Ile21-Met119(B2M) and SIINFEKL peptide
Characteristics:	Recombinant Biotinylated Mouse H-2K(b)&B2M&OVA (SIINFEKL) Monomer Protein is expressed from HEK293 with His tag and Avi tag at the C-Terminus. It contains His24-Pro297 (H-2K(b)), Ile21-Met119 (B2M) and SIINFEKL peptide.
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:	MHC, Class I
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Target Details

Alternative Name:	H-2K (MHC, Class I Products)
Background:	<p>Ovalbumin (OVA) has been historically a popular source of such antigens, since OVA can induce both humoral and cellular immune responses based on well-characterised peptide epitopes.</p> <p>The OVA257-264 octapeptide was one of the first OVA epitopes to be characterised, it has an amino acid sequence SIINFEKL, which is recognised by cytotoxic T lymphocytes. SIINFEKL forms fibrillar assemblies similar to other peptide hydrogels. The immunoactive properties of this peptide can therefore be related to its self-assembling nature.</p>
Molecular Weight:	50.20 kDa. Due to glycosylation, the protein migrates to 52-70 kDa based on Tris-Bis PAGE result.

Application Details

Restrictions:	For Research Use only
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Handling

Format:	Liquid
Buffer:	Supplied as 0.22 µm filtered solution in PBS (pH 7.4).
Storage:	-80 °C
Storage Comment:	Valid for 12 months from date of receipt when stored at -80°C., Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.
Expiry Date:	12 months