PRODUCT INFORMATION

Content:
- 1 mg OVA 257-264 provided as a lyophilized solid

Storage and stability
- OVA 257-264 is shipped at room temperature and should be stored at -20°C. Product is stable 1 year when properly stored.
Note: OVA 257-264 is hygroscopic and light sensitive. Keep tightly closed and protect from light.
- Upon resuspension, prepare aliquots of OVA 257-264 and store at -20°C. Resuspended product is stable 6 months when properly stored. Avoid repeated freeze-thaw cycles.

Quality control
- Minimum 98% purity (HPLC)
- Functionality was assessed by ELISPOT

DESCRIPTION

OVA 257-264 is a class I (Kb)-restricted peptide epitope of ovalbumin (OVA), presented by the class I major histocompatibility complex (MHC) molecule, H-2Kb. It has been demonstrated that OVA 257-264 peptides can be used to detect a strong CD8+ cytolytic T cell response.

Sequence:
SIINFEKL (H-Ser - Ile - Ile - Asn - Phe - Glu - Lys - Leu - OH)

CHEMICAL PROPERTIES

CAS number: 138831-86-4
Synonym: SIINFEKL
Chemical Formula: C45H74N10O13
Molecular weight: 963.2
Solubility: 2 mg/ml in water
Appearance: White to off-white powder

METHODS

Preparation of stock solution (1 mg/ml)
- Add 1 ml water to 1 mg of OVA 257-264 to obtain a solution at 1 mg/ml.
- Mix the solution by pipetting up and down.

APPLICATIONS

OVA 257-264 can be used for Enzyme-Linked ImmunoSpot (ELISPOT) assay at a working concentration of 10 μg/ml.

Other applications have not been tested.

RELATED PRODUCTS

<table>
<thead>
<tr>
<th>Product</th>
<th>Catalog Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ovabumin</td>
<td>vac-ova</td>
</tr>
<tr>
<td>Ova 323-339</td>
<td>vac-isq</td>
</tr>
</tbody>
</table>