OVA 257-264
Chicken egg albumin peptide
Catalog code: vac-sin
http://www.invivogen.com/ova-peptide
For research use only
Version 18I25-MM

PRODUCT INFORMATION
Contents
- 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 for 6 months when properly stored. Avoid repeated freeze-thaw cycles.

Quality control
- Purity ≥ 95% (UHPLC)
- The absence of bacterial contamination, such as lipoproteins and endotoxins, has been confirmed using HEK-Blue™ TLR2 and HEK-Blue™ TLR4 cells.

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 response2.

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


CHEMICAL PROPERTIES
CAS number: 138831-86-4
Synonym: SIINFEKL
Chemical formula: C_{45}H_{74}N_{10}O_{13}
Molecular weight: 963.2
Solubility: 1 mg/ml in water

METHODS
Preparation of stock solution (1 mg/ml)
- Add 1 ml water to 1 mg of OVA 257-264.
- 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>Description</th>
<th>Catalog Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>EndoFit™ Ovalbumin</td>
<td>Ova for in vivo use</td>
<td>vac-pova</td>
</tr>
<tr>
<td>Ovabumin</td>
<td>Ova for detection use</td>
<td>vac-stova</td>
</tr>
<tr>
<td>Ova 323-339</td>
<td>OVA peptide for ELISPOT</td>
<td>vac-isq</td>
</tr>
</tbody>
</table>

TECHNICAL SUPPORT
InvivoGen USA (Toll-Free): 888-457-5873
InvivoGen USA (International): +1 (858) 457-5873
InvivoGen Europe: +33 (0) 5-62-71-69-39
InvivoGen Hong Kong: +852 3622-3480
E-mail: info@invivogen.com