

## OVA peptide

Cat. No.:	HY-P3715
CAS No.:	141312-45-0
Molecular Formula:	C <sub>74</sub> H <sub>121</sub> N <sub>27</sub> O <sub>24</sub>
Molecular Weight:	1772.92
Sequence Shortening:	ISQAVHAAHAEINEAGR-NH2
Target:	Others
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.

### BIOLOGICAL ACTIVITY

<b>Description</b>	OVA peptide mainly exists in egg white, it is a class I (Kb)-restricted peptide epitope of ovalbumin presented by the class I MHC (major histocompatibility complex) molecule, H-2Kb (class I genes of the mouse MHC). OVA peptide has been widely studied in allergy research <sup>[1][2]</sup> .
<b>In Vivo</b>	OVA peptide with bone marrow-generated DC pulse are potent inducers of OVA-specific CTL responses in vivo, compared with splenocytes or RMA-S cells pulsed with OVA peptide, or compared with immunization with free OVA peptide mixed with adjuvant <sup>[2]</sup> . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

### REFERENCES

- [1]. Zhu L, et al. Alginate Particles with Ovalbumin (OVA) Peptide Can Serve as a Carrier and Adjuvant for Immune Therapy in B16-OVA Cancer Model. *Med Sci Monit Basic Res.* 2017 Apr 28;23:166-172.
- [2]. Porgador A, Gilboa E. Bone marrow-generated dendritic cells pulsed with a class I-restricted peptide are potent inducers of cytotoxic T lymphocytes. *J Exp Med.* 1995 Jul 1;182(1):255-60.

**Caution: Product has not been fully validated for medical applications. For research use only.**

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