

## OVA Peptide(257-264) acetate salt

Cat. No.:	HY-P1489B
Molecular Formula:	C <sub>47</sub> H <sub>78</sub> N <sub>10</sub> O <sub>15</sub>
Molecular Weight:	1023.18
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(257-264) acetate salt is a class I (Kb)-restricted peptide epitope of OVA, an octameric peptide from ovalbumin presented by the class I MHC molecule H-2Kb <sup>[1]</sup> .
<b>In Vitro</b>	TAP1-I- and C57BL/6 macrophages may process CrI-OVA and full-length OVA in different cellular compartments and that the protein context of the OVA Peptide(257-264) epitope influences the extent of TAP-independent processing for MHC class I presentation. OVA Peptide(257-264) epitope is presented with a differential dependence on the TAP transporter depending on the protein context of the OVA epitope: OVA Peptide(257-264) contained within the MBPCrI-OVA or CrI-OVA bacterial fusion proteins is presented with little dependence on the TAP transporter, while OVA Peptide(257-264) contained within full-length ovalbumin is largely dependent on the TAP transporter, regardless of whether recombinant OVA is expressed in bacteria or the native protein is coupled to polystyrene beads <sup>[1]</sup> . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

### REFERENCES

[1]. Wick MJ, et al. Major histocompatibility complex class I presentation of ovalbumin peptide 257-264 from exogenous sources: protein context influences the degree of TAP-independent presentation. Eur J Immunol. 1996 Nov;26(11):2790-9.

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

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