

## Cy3-Ova (323-339)

<b>Cat. No.:</b>	HY-P5295
<b>Molecular Formula:</b>	C <sub>105</sub> H <sub>156</sub> N <sub>28</sub> O <sub>32</sub> S <sub>2</sub>
<b>Molecular Weight:</b>	2386.66
<b>Sequence:</b>	{CY3-Ile}-Ser-Gln-Ala-Val-His-Ala-Ala-His-Ala-Glu-Ile-Asn-Glu-Ala-Gly-Arg
<b>Sequence Shortening:</b>	{CY3-Ile}-SQAVHAAHAEINEAGR
<b>Target:</b>	Others
<b>Pathway:</b>	Others
<b>Storage:</b>	Please store the product under the recommended conditions in the Certificate of Analysis.

### BIOLOGICAL ACTIVITY

#### Description

Cy3-Ova (323-339) is an Cy3 labeled OVA Peptide (323-339) (HY-P0286). Cy3 is a fluorescent dye belonging to the Cyanine family and is a fluorescent light product of Cy5. Cyanine is commonly used in fluorescence microscopy, cell imaging, and molecular biology experiments. OVA Peptide (323-339) represents the T and B cell epitopes of ovalbumin (OVA). OVA Peptide (323-339) has limited immunogenic efficacy in activating OVA-sensitized and attacked mouse spleen cells<sup>[1][2]</sup>.

### REFERENCES

[1]. Cho Y, et al. Mechanism of Cyanine5 to Cyanine3 Photoconversion and Its Application for High-Density Single-Particle Tracking in a Living Cell. *J Am Chem Soc.* 2021 Sep 8;143(35):14125-14135.

[2]. Sun LZ, et al. Comparison between ovalbumin and ovalbumin peptide 323-339 responses in allergic mice: humoral and cellular aspects. *Scand J Immunol.* 2010 May;71(5):329-35.

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

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