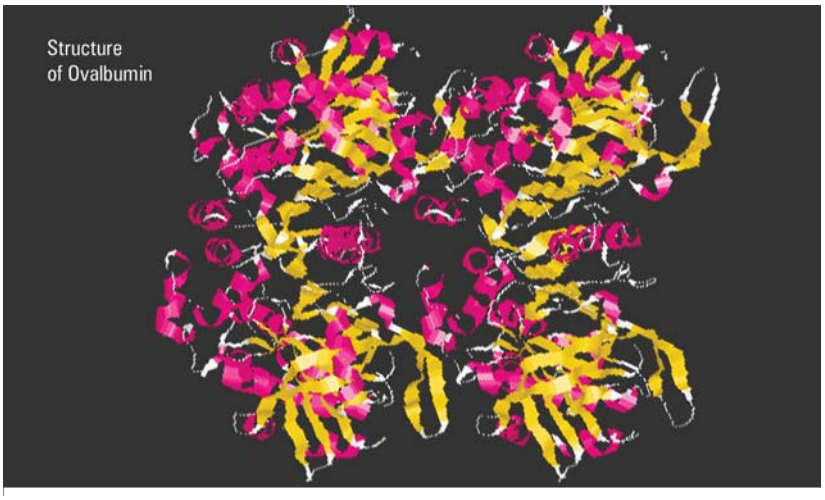
profos

02.04.1
product information

Is your ovalbumin contaminated with endotoxin?



EndoGrade™ Ovalbumin (< 1 EU/mg)

For *in-vivo* and *in-vitro* applications

Ensure accurate results!

The glycoprotein ovalbumin is a extensively studied protein in animal models. It is also an established model allergen for airway hyper-responsiveness (AHR).
Commercial ovalbumin is often contaminated with lipopolysaccharides and fully activates endothelial cells in *in-vitro* assays. This falsifies the results as it does not accurately reflect the effect of the protein antigen.*
It is a major challenge to remove the endotoxin contamination from ovalbumin.
To meet the exact requirements of *in-vivo* and *in-vitro* studies with ovalbumin, we provide EndoGrade™ Ovalbumin at a quality of < 1 EU/mg (for research use only).

***In-vivo* applications** e.g. injection, aerosolization
***In-vitro* applications** e.g. proliferation assays

Specifications

- **Source** Chicken Egg White
- **Synonyms** Allergen Gal d 2
- **CAS number** 9006-59-1
- **Form** Lyophilized, contains no salts
- **Endotoxin conc.** < 1 EU/mg [1 mg/ml]
- **Purity (SDS-Page)** > 98%
- **Max. solubility** 20 mg/ml

EndoGrade™ Ovalbumin ß-Customer Feedback

"We do not observe any IL-12 induction and proliferation of dendritic cells after we pulsed them over night with Profos' ovalbumin (completely contrary to other OVA preparations). Cultivation of OVA-T-cell-receptor transgenic T-cells pulsed with DCs leads to T-cell proliferation, which shows the processing and presentation of the antigen. In short: optimal for our assays."

Literature: * Watanabe et al. Endotoxin contamination of ovalbumin suppresses murine immunologic responses and development of airway hyper-reactivity. J Biol Chem. 2003 Oct 24; 278(43):42361-8.

For offers, inquiries, orders and technical information please contact:
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