

## FITC Conjugated OVA

### Summary:

**Cat. Number:** SF069

**Quantity size:** 0.5mL/5.0mL

**Concentration:** 5mg/mL Buffer=0.01M PBS (pH7.4) with 0.03% Proclin300 and 50% Glycerol.

**Storage:** Shipped at 4°C, Store at -20°C at least one year (Avoid repeated freeze/thaw cycles).

### Background:

1. Fluorescein isothiocyanate (FITC) isomer I, MW:389.4, Excitation spectrum: 495nm, Emission spectrum: 525nm
2. Ovalbumin (OVA), MW: ~44300.
3. Direct labeling: reaction at RT 2.5-3.0h, purified by Sephadex G-50.

### Application:

IF=1:50-500

Excitation spectrum: 495nm

Emission spectrum: 525nm

Not yet tested in other applications.

Potency is subject to the product label. Optimal working dilutions must be determined by the end user.

### Related products:

SP034 rabbit IgG immunoglobulin antigen

SPA131 Goat anti-mouse IgG (purified)

SF134 Goat anti-rabbit IgG-FITC

SE237 Rabbit anti-pig IgG-HRP

A1820 HRP-labeled antibody dilution

### Related literature:

- [1] Adeli Jiang Wusiman, Shuwen Xu, Haiyu Ni, et al. Immunomodulatory effects of Alhagi honey polysaccharides encapsulated into PLGA nanoparticles. Carbohydrate Polymers. December 2018 (IF =5.158)
- [2] QingyuWeng, ChenZhu, KuaZheng, et al. Early recruited neutrophils promote asthmatic inflammation exacerbation by release of neutrophil elastase, Cellular Immunology. April 2020 (IF =3.29)
- [3] Authors Zhang Y, Gu P, Wusiman A, et al. The Immunoenhancement Effects of Polyethylenimine-Modified Chinese Yam Polysaccharide-Encapsulated PLGA Nanoparticles as an AdjuvantInternational. Journal of Nanomedicine. August 2020 (IF =5.11)
- [4] Jie DengCheng , Long Liu, Zhen LiuLing, et al. A secreted pore-forming protein modulates cellular endolysosomes to augment antigen presentation, The FASEB Journal. August 2020 (IF=4.96)
- [5] ZhiqiangZhang, Carboxylated et al. Nanodiamond-mediated NH<sub>2</sub>-PLGA nanoparticle-encapsulated fig polysaccharides for strongly enhanced immune responses in vitro and in vivo, International Journal of Biological Macromolecules, October 2020 (IF=5.16)

**Important Note:** This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.