

Ovalbumin Conjugates

Quick Facts

Storage upon receipt:

- $\leq -20^{\circ}\text{C}$
- Desiccate
- Protect from light

Abs/Em: See Table 1

Table 1. Spectral characteristics of fluorescent ovalbumin conjugates.

Cat #	Label	Abs *	Em *
O-23020	fluorescein	494	520
O-34781	Alexa Fluor 488	495	519
O-34782	Alexa Fluor 555	555	565
O-34783	Alexa Fluor 594	590	617
O-34784	Alexa Fluor 647	650	668
O-23021	Texas Red	596	615

* Absorption (Abs) and fluorescence emission (Em) maxima, in nm.

Introduction

Chicken ovalbumin is a 45 kD protein which constitutes the major component of egg white. Fluorescent conjugates of ovalbumin have been used as endocytic tracers^{1,2} and to estimate microvasculature transport-pathway sizes.³ Molecular Probes offers fluorescent conjugates of ovalbumin with peak excitation and emission wavelenths (Table 1) spanning the visible spectrum.

Materials

Contents

The fluorescein and Texas Red[®] ovalbumin conjugates are supplied as lyophilized powder in units of 5 mg. The Alexa Fluor[®] ovalbumin conjugates are supplied as lyophilized powder in units of 2 mg.

Storage

When stored desiccated at $\leq -20^{\circ}\text{C}$, these products are stable for at least one year. Solutions can be made by dissolving the powder in phosphate-buffered saline (PBS), pH 7.4 or in another desired buffer at concentrations ranging from 1 to 5 mg/mL. Store the solution at 4°C with the addition of sodium azide to a final concentration of 0.01%. For longer storage, divide the solution into aliquots and freeze at $\leq -20^{\circ}\text{C}$. **PROTECT FROM LIGHT. AVOID REPEATED FREEZING AND THAWING.**

It is a good practice to centrifuge the protein conjugate solutions briefly in a microcentrifuge before use; only the supernatants should then be added to the experiment. This step will eliminate any protein aggregates that may have formed during storage, thereby reducing nonspecific background staining.

References

1. Infect Immun 64, 2585 (1996); 2. J Neurosci Res 40, 694 (1995); 3. Microcirculation 5, 275 (1998).

Product List *Current prices may be obtained from our Web site or from our Customer Service Department.*

Cat #	Product Name	Unit Size
O-23020	ovalbumin, fluorescein conjugate	5 mg
O-34781	ovalbumin, Alexa Fluor [®] 488 conjugate	2 mg
O-34782	ovalbumin, Alexa Fluor [®] 555 conjugate	2 mg
O-34783	ovalbumin, Alexa Fluor [®] 594 conjugate	2 mg
O-34784	ovalbumin, Alexa Fluor [®] 647 conjugate	2 mg
O-23021	ovalbumin, Texas Red [®] conjugate	5 mg

Contact Information

Further information on Molecular Probes' products, including product bibliographies, is available from your local distributor or directly from Molecular Probes. Customers in Europe, Africa and the Middle East should contact our office in Leiden, the Netherlands. All others should contact our Technical Assistance Department in Eugene, Oregon.

Please visit our Web site — www.probes.com — for the most up-to-date information.

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