

Transfection controls

IgG - FITC

Positive control for antibody delivery

Application Note

IgG-FITC | Specifications

Package content	IGG100: 100µL of IgG-FITC
Shipping conditions	Room Temperature
Storage conditions	IgG-FITC is light sensitive and must be store in the dark at 4°C
Shelf life	1 year from the date of purchase when properly stored and handled
Product Descriptions	OZ Biosciences Immunoglobulin (IgG) from goat serum has been labelled with the fluorescein isothiocyanate dye to produce a green-emitting antibody with a high fluorophore-to-protein ratio.
Important notice	For research use only. Not for use in diagnostic procedures

IgG-FITC | General Considerations

FITC properties :

- Absorption maximum: 492 nm
- Emission maximum:520 nm
- Extinction coefficient:75000 M-1cm-1
- Quantum yield:0.79

IgG-FITC properties:

- Species: goat
- Solvant: Sodium Azide
- Concentration: 100µg/mL
- pH 7.4

IgG-FITC | Applications

IgG-FITC can be used as a positive control for intracellular antibody delivery with OZ Biosciences' **Ab-DeliverIN** reagent (cat. #A121000).

For additional information and protocols (optimization, scaling, co-transfection...) tips, troubleshooting or other applications



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Any

questions?

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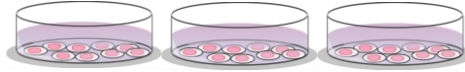


Ab-DeliverIN™ Quick Protocol

To find the ideal conditions, Ab-DeliverIN™ must be tested at ratios **1 $\mu\text{L}/\mu\text{g}$** , **2 $\mu\text{L}/\mu\text{g}$** and **2.5 $\mu\text{L}/\mu\text{g}$** of Ab-DeliverIN™ / Antibody. For the antibody quantity, we suggest **0.4 μg** per well in 96-well, **1 μg** per well in 24-well and **5 μg** per well in 6-well*.

Seed cells to be at 70% confluent the day of transfection*

1



Prepare the antibody solution to be delivered at 100 $\mu\text{g}/\text{mL}$ in PBS*

2



Prepare 3 tubes of Ab-DeliverIN™ (with 3 different amounts of reagent)

3



96 well plate

24 well plate

6 well plate

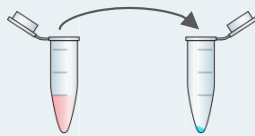
0.4 μL /0.8 μL /1 μL
in an empty microtube

1 μL /2 μL /2.5 μL
in an empty microtube

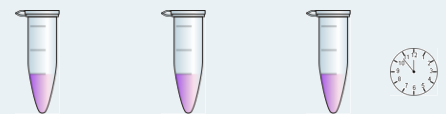
5 μL /10 μL /12.5 μL
in an empty microtube

Add the antibody solution (step 2) to each tube of Ab-DeliverIN™ (step 3)

4



Incubate 10 min at RT



96 well plate

24 well plate

6 well plate

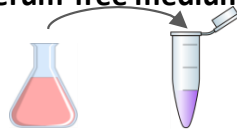
0.4 μg (4 μL of 100 $\mu\text{L}/\text{mL}$
solution in PBS) X 3

1 μg (10 μL of 100 $\mu\text{L}/\text{mL}$ solution in
PBS) X 3

5 μg (50 μL of 100 $\mu\text{L}/\text{mL}$ solution in
PBS) X 3

Add serum-free medium* to each tube

5



96 well plate

24 well plate

6 well plate

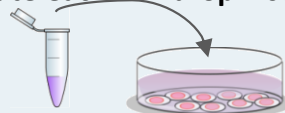
to 20 μL

to 100 μL

to 200 μL

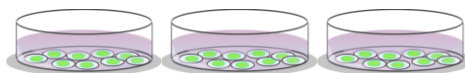
Distribute each mix dropwise onto the cells

6



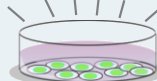
Incubate cells for 3 to 48h at 37°C until evaluation of antibody delivery efficacy

7



Choose the best ratio Antibody:Ab-DeliverIN™

8



Related products

- **Ab-DeliverIN** for intracellular delivery of fully functional antibodies
- **Pro-DeliverIN** for intracellular delivery of biologically active proteins.

Purchaser Notification

Limited License

The purchase of the IgG-FITC grants the purchaser a non-transferable, non-exclusive license to use the kit and/or its separate and included components (as listed in this protocol). This reagent is intended for in-house research only by the buyer. Such use is limited to the transfection of nucleic acids as described in the Product manual. In addition, research only use means that this kit and all of its contents are excluded, without limitation, from resale, repackaging, or use for the making or selling of any commercial product or service without the written approval of OZ Biosciences. Separate licenses are available from OZ Biosciences for the express purpose of non-research use or applications of the IgG-FITC. To inquire about such licenses, or to obtain authorization to transfer or use the enclosed material, contact us at OZ Biosciences. Buyers may end this License at any time by returning all IgG-FITC reagents and documentation to OZ Biosciences, or by destroying all Ab-DeliverIN components. Purchasers are advised to contact OZ Biosciences with the notification that a IgG-FITC is being returned in order to be reimbursed and/or to definitely terminate a license for internal research use only granted through the purchase of the kit(s). This document covers entirely the terms of the IgG-FITC research only license, and does not grant any other express or implied license. The laws of the French Government shall govern the interpretation and enforcement of the terms of this License.

Product Use Limitations

IgG-FITC and all of its components are developed, designed, intended, and sold for research use only. They are not to be used for human diagnostic or included/used in any drug intended for human use. All care and attention should be exercised in the use of the kit components by following proper research laboratory practices.

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