

Data Sheet

Strep-tag[®] Fluorescent Detection Trial Kit 642/645

Cat. No. : 2-1540-006

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Version 1540-6-4

	Strep-Tactin[®]	StrepMAB-Classic	StrepMAB-Immo
Description	Strep-Tactin [®] labeled with <ul style="list-style-type: none"> • Chromeo™ 642 and • Oyster[®]-645 	Murine Strep-tag [®] monoclonal antibody labeled with <ul style="list-style-type: none"> • Chromeo™ 642 and • Oyster[®]-645 	Murine high affinity Strep-tag [®] monoclonal antibody labeled with <ul style="list-style-type: none"> • Chromeo™ 642 and • Oyster[®]-645
Specificity	Strep-tagII; Cross reactivity: biotin.	Strep-tagII	High affinity binding of proteins fused to Strep-tagII, if this is N-terminally extended by "SerAla" (SA-WSHPQFEK). Proteins containing Strep-tag II with N-terminal extensions other than SerAla are bound with reduced affinity in the cases tested so far.
Product Type	Recombinant protein	Monoclonal antibody	Monoclonal antibody
Isotype	n.a.	Mouse IgG1	Mouse IgG1 kappa
Product Form	Solution in PBS; 0.01 % NaN ₃	Solution in PBS; 0.01 % NaN ₃	Solution in PBS; 0.01 % NaN ₃
Conjugate Concentration	0.5 mg/ml	0.5 mg/ml	0.5 mg/ml
Amount	0.05 ml	0.05 ml	0.05 ml
Storage*	2-8 °C or aliquots at -20°C	2-8 °C or aliquots at -20°C	2-8 °C or aliquots at -20°C
Stability	6 months after shipping	6 months after shipping	6 months after shipping
Shipment	Ambient temperature	Ambient temperature	Ambient temperature

* Avoid repeated freezing and thawing as this may denature the antibody. It should be stored undiluted and protected from light. Frost free freezers are not recommended. As soon as the products contain a precipitate we recommend centrifugation before use.

Chromeo™ 642 and Oyster[®]-645 replace the red fluorescent Cy5[®] or allophycocyanin dyes.

For research use only

Important licensing information

This product is based on Strep-tag and Strep-Tactin technologies covered by intellectual property (IP) rights and on completion of the sale IBA grants respective Limited Use Label Licenses to purchaser. IP rights and Limited Use Label Licenses for said technology are further described and identified at <http://www.iba-go.com/patents.html> or upon inquiry at info@iba-go.com or at IBA GmbH, Rudolf-Wissell-Str. 28, 37079 Göttingen, Germany. By use of this product the purchaser accepts the terms and conditions of all applicable Limited Use Label Licenses.

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Applications:

These products have been reported to work in following applications. The information is derived from testing within our laboratories, peer-reviewed publications or personal communications from originators.

Chromeo™/Oyster® conjugate to	StrepTactin®	StrepMAB Classic	StrepMAB Immo
Immunofluorescence (IF)	yes*	yes	yes
FACS analysis	n.d.	yes	yes
suggested dilution	1/100 – 1/300	1/100 – 1/300	1/100 – 1/300

*stained extracellular membrane protein

Note: Where these reagents have not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. It is recommended to titrate the reagent for use in own systems using appropriate negative/positive controls.

Immunofluorescence related parameters for optimization - Troubleshooting:

If unsatisfactory results were obtained using starting point conditions, try to optimize the following parameters:

- concentration of the antibody: try different dilutions.
- fixation method: try different methods since different fixation reagents (alcohols or cross-linking reagents) might have different effects on the specificity of the antibody/antigen interaction. For further information see www.strep-tag.com (fluorescence detection)

Alternative formats

- Strep-tag Fluorescent Detection Trial Kit 488 (Cat. No. 2-1540-004)
- Strep-tag Fluorescent Detection Trial Kit 546/555 (Cat. No. 2-1540-005)
- Strep-tag Fluorescent Detection Trial Kit 642/645 (Cat. No. 2-1540-006)

Application references

This data sheet will continuously be updated based on the data provided by customers. Therefore, we highly appreciate obtaining data from your experiments. Please send to info@iba-go.com.



Questionnaire
 Share your experiences with us!
 (complete this form and receive an USB Stick as reward!)

Return by fax to +49 (0)551 50672-181.

1. Please indicate the reagent(s) that you used.

Product	StrepTactin		StrepMAB Classic		StrepMAB Immo	
	Oyster25 µg	Chromeo25µg	Oyster25 µg	Chromeo25 µg	Oyster25 µg	Chromeo25 µg
Trial Kit 488						
Trial Kit 546/555						
Trial Kit 642/645						

2. Which application did you perform using the detection reagents?

Immunofluorescence: Histochemistry Cytochemistry

FACS Array Others _____

3. If you stained cells, which cell types did you stain?

Did you do staining *in vivo* or *in vitro* ?

4. Is the detected protein an intracellular or extracellular protein?

Type: _____

5. Did you fix your samples before staining? Yes No

If yes, what fixative did you use?

6. What concentrations / dilutions of the detection reagents did you choose for your experiment and which one worked best?


7. Which detection reagents (e.g. Chromeo / Oyster) worked better for your experiment concerning the following features?

Chromeo: less background higher sensitivity higher intensity

Oyster: less background higher sensitivity higher intensity

Both worked equally

8. With which detection reagents (*StrepMAB Classic* vs. *StrepMAB Immo* or the antibodies vs. *Strep-Tactin*) did you get better results?
9. Did you have background staining problems up to high levels?
If yes, what washing conditions did you use?
10. Would you re-order one of the dyes? If yes which one?
11. What further fluorescent products would you wish to have for the *Strep-tag* portfolio?
Infrared dye (*Licor Odyssey*)?
FRET conjugates?
Others _____

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