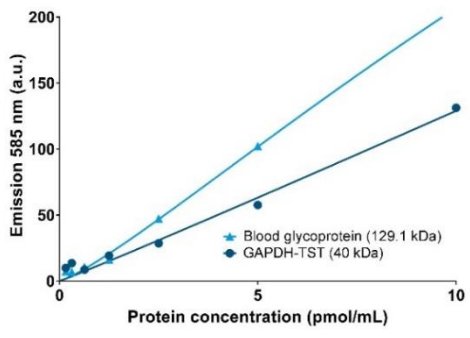


Data Sheet

Strep-Tactin®XT DY-549

Cat. No.: 2-1565-050

Version: 5.0
 Revision Date: 11.01.2024

Description	Strep-Tactin®XT DY-549 is a streptavidin variant conjugated with the fluorescent dye DY-549. It can be used for detection of N-, C-terminally as well as internally tagged Strep-tag®II or Twin-Strep-tag® proteins in applications like ELISA, FACS, immunohistochemistry, and immunocytochemistry.																									
Specificity	Strep-tag®II, Twin-Strep-tag®, cross reactivity: biotin																									
Product Type	Recombinant protein																									
Form	Suspension in PBS; contains 0.01% NaN ₃ , 1 mg/ml BSA																									
Concentration	0.5 mg/ml																									
Amount	100 µl																									
Stability	6 months after shipping (If the products contain a precipitate, we recommend centrifugation before use.)																									
Storage	2-8 °C, protect from light																									
Shipping	Room temperature																									
Hazards	Product is not classified as hazardous according to (EC) No 1272/2008 [CLP]. A Material Safety Data Sheet is provided.																									
Absorption/Emission	550/575 nm; Dyomics DY-549																									
Application	 <table border="1"> <caption>Approximate data from the graph</caption> <thead> <tr> <th>Protein concentration (pmol/mL)</th> <th>Blood glycoprotein (129.1 kDa) Emission (a.u.)</th> <th>GAPDH-TST (40 kDa) Emission (a.u.)</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>0</td> <td>0</td> </tr> <tr> <td>1</td> <td>~10</td> <td>~5</td> </tr> <tr> <td>2</td> <td>~20</td> <td>~10</td> </tr> <tr> <td>3</td> <td>~30</td> <td>~15</td> </tr> <tr> <td>4</td> <td>~40</td> <td>~20</td> </tr> <tr> <td>5</td> <td>~50</td> <td>~25</td> </tr> <tr> <td>10</td> <td>~100</td> <td>~50</td> </tr> </tbody> </table>	Protein concentration (pmol/mL)	Blood glycoprotein (129.1 kDa) Emission (a.u.)	GAPDH-TST (40 kDa) Emission (a.u.)	0	0	0	1	~10	~5	2	~20	~10	3	~30	~15	4	~40	~20	5	~50	~25	10	~100	~50	<p>FACS/Flow cytometry: Direct: dilute 1:5000 Indirect (via tagged protein): 75 ng (1.5 µl of a 1:10 dilution) conjugate per 200 ng of a 50 kDa protein/50 ng of a 16 kDa protein for 5 x 10⁶ total cells</p> <p>ELISA: use a black plate with clear bottom, dilute between 1:500 and 1:2 000; start with 1:500. The detection limit may vary depending on protein size. The data provided on the left was obtained with Twin-Strep-tag® fused proteins in an ELISA, with a Strep-Tactin®XT DY-549 dilution of 1:500.</p>
Protein concentration (pmol/mL)	Blood glycoprotein (129.1 kDa) Emission (a.u.)	GAPDH-TST (40 kDa) Emission (a.u.)																								
0	0	0																								
1	~10	~5																								
2	~20	~10																								
3	~30	~15																								
4	~40	~20																								
5	~50	~25																								
10	~100	~50																								

For research use only

Trademark information

The owners of trademarks marked by "®" or "TM" are identified at <http://www.iba-lifesciences.com/patents.html>. Registered names, trademarks, etc. used in this document, even when not specifically marked as such, are not to be considered unprotected by law.

Important licensing information

This product is covered by intellectual property (IP) rights and on completion of the sale IBA Lifesciences 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-lifesciences.com/patents.html> or upon inquiry at info@iba-lifesciences.com or at IBA Lifesciences GmbH, Rudolf-Wissell-Str. 28, 37079 Goettingen, Germany. By use of this product the purchaser accepts the terms and conditions of all applicable Limited Use Label Licenses.