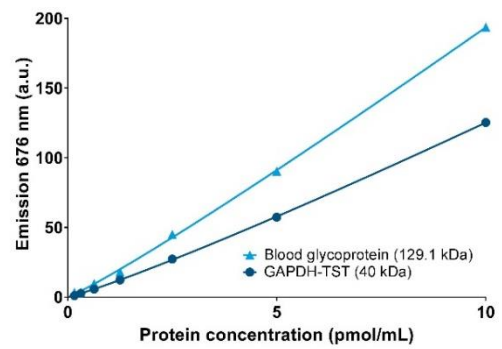


Data Sheet

Strep-Tactin[®]XT DY-649

Cat. No.: 2-1568-050

Version: 5.0
 Revision Date: 11.01.2024

Description	Strep-Tactin [®] XT DY-649 is a streptavidin variant conjugated with the fluorescent dye DY-649. 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	654/672 nm																			
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>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	5	~50	~25	10	~100	~50	<p>FACS/Flow cytometry: Direct: dilute 1:5000 Indirect (via tagged protein): 75 ng (1.5 µl auf 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-649 dilution of 1:500.</p>
Protein concentration (pmol/mL)	Blood glycoprotein (129.1 kDa) Emission (a.u.)	GAPDH-TST (40 kDa) Emission (a.u.)																		
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