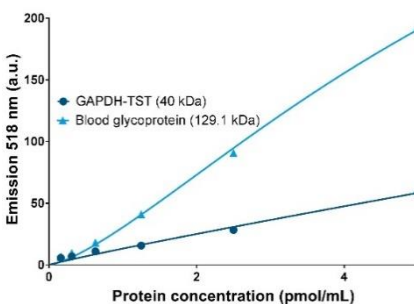


Data Sheet

Strep-Tactin®XT DY-488

Cat. No.: 2-1562-050

Version: 5.0
Revision Date: 11.01.2024

Description	Strep-Tactin®XT DY-488 is a streptavidin variant conjugated with the fluorescent dye DY-488. 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	493/518 nm																						
Application	<div>  <table border="1"> <caption>Approximate data points from the graph</caption> <thead> <tr> <th>Protein concentration (pmol/mL)</th> <th>GAPDH-TST (40 kDa) Emission 518 nm (a.u.)</th> <th>Blood glycoprotein (129.1 kDa) Emission 518 nm (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>~40</td> </tr> <tr> <td>2</td> <td>~20</td> <td>~80</td> </tr> <tr> <td>3</td> <td>~30</td> <td>~120</td> </tr> <tr> <td>4</td> <td>~40</td> <td>~160</td> </tr> <tr> <td>5</td> <td>~50</td> <td>~200</td> </tr> </tbody> </table> </div> <div> <p>FACS/Flow cytometry: Direct: dilute 1:5000 Indirect (via tagged protein): 75 ng (1.5 µl of 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 1:1 000.</p> <p>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-488 dilution of 1:1 000.</p> </div>		Protein concentration (pmol/mL)	GAPDH-TST (40 kDa) Emission 518 nm (a.u.)	Blood glycoprotein (129.1 kDa) Emission 518 nm (a.u.)	0	0	0	1	~10	~40	2	~20	~80	3	~30	~120	4	~40	~160	5	~50	~200
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