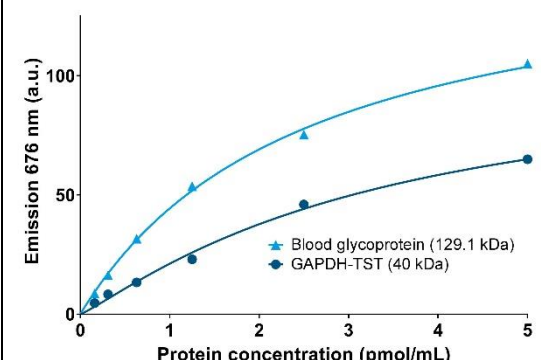


Data Sheet

StrepMAB-Immo DY-649

Cat. No.: 2-1570-050

Version: 4.0
 Revision Date: 21.10.2021

Description	StrepMAB-Immo DY-649 is an antibody conjugated with the fluorescent dye DY-649 and applicable for, e.g., ELISA, FACS, immunohistochemistry, and immunocytochemistry. The nearly irreversible binding is validated for fusion proteins carrying a C- or N-terminal Strep-tag®II providing an N-terminal extension by an SA-linker (recombinant protein-SA-WSHPQFEK or SA-WSHPQFEK-recombinant protein). Proteins containing the Strep-tag®II with N-terminal sequences other than SA are bound with reduced affinity. However, the Twin-Strep-tag® always contains the SA-linker (WSHPQFEK-GGGG-GGGG-GGSA-WSHPQFEK).																			
Specificity	Twin-Strep-tag® and Strep-tag®II with N-terminal SA-linker (SA-WSHPQFEK)																			
Product Type	Monoclonal antibody (mouse IgG1kappa)																			
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>0.5</td> <td>~25</td> <td>~10</td> </tr> <tr> <td>1.0</td> <td>~45</td> <td>~20</td> </tr> <tr> <td>2.5</td> <td>~75</td> <td>~40</td> </tr> <tr> <td>5.0</td> <td>~105</td> <td>~65</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	0.5	~25	~10	1.0	~45	~20	2.5	~75	~40	5.0	~105	~65	<p>FACS/Flow cytometry: dilute 1:1000</p> <p>ELISA: use a black plate with clear bottom, dilute between 1:500 and 1:2 000; start with 1:1 000. 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 StrepMAB-Immo DY-649 dilution of 1:1 000.</p>
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