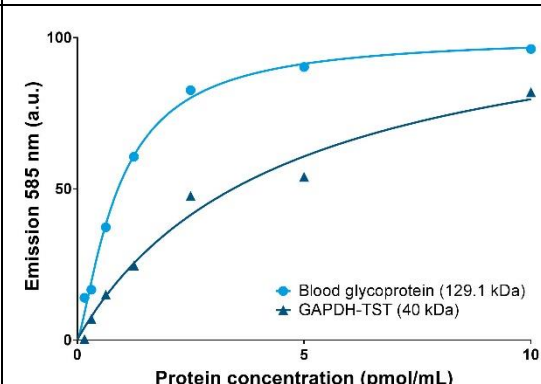


## Data Sheet

# StrepMAB-Immo DY-549

Cat. No.: 2-1567-050

Version: 4.0  
 Revision Date: 21.10.2022

<b>Description</b>	StrepMAB-Immo DY-549 is an antibody conjugated with the fluorescent dye DY-549 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).																			
<b>Specificity</b>	Twin-Strep-tag® and Strep-tag®II with N-terminal SA-linker (SA-WSHPQFEK)																			
<b>Product Type</b>	Monoclonal antibody (mouse IgG1kappa)																			
<b>Form</b>	Suspension in PBS; contains 0.01% NaN <sub>3</sub> , 1 mg/ml BSA																			
<b>Concentration</b>	0.5 mg/ml																			
<b>Amount</b>	100 µl																			
<b>Stability</b>	6 months after shipping (If the products contain a precipitate, we recommend centrifugation before use.)																			
<b>Storage</b>	2-8 °C, protect from light																			
<b>Shipping</b>	Room temperature																			
<b>Hazards</b>	Product is not classified as hazardous according to (EC) No 1272/2008 [CLP]. A Material Safety Data Sheet is provided.																			
<b>Absorption/Emission</b>	550/575 nm																			
<b>Application</b>	 <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>~35</td> <td>~15</td> </tr> <tr> <td>2</td> <td>~60</td> <td>~25</td> </tr> <tr> <td>5</td> <td>~85</td> <td>~45</td> </tr> <tr> <td>10</td> <td>~95</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	1	~35	~15	2	~60	~25	5	~85	~45	10	~95	~65	<p><b>FACS/Flow cytometry:</b> dilute 1:1 000</p> <p><b>ELISA:</b> 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-549 dilution of 1:1 000.</p>
Protein concentration (pmol/mL)	Blood glycoprotein (129.1 kDa) Emission (a.u.)	GAPDH-TST (40 kDa) Emission (a.u.)																		
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