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## Data Sheet

# CD81 Fab-Strep human

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|                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Description</b>     | Recombinant low affinity Fab fragment fused to a Twin-Strep-tag® and specific for human CD81.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Purity</b>          | ≥ 90%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Endotoxin level</b> | ≤ 0,1 EU/µg by LAL test                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Form</b>            | Lyophilized                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Amount</b>          | 50 µg                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Reconstitution</b>  | Reconstitute in 1 ml buffer, e.g. 1x PBS containing 1 mM EDTA and 0.5% BSA, for a final concentration of 50 µg/ml. Handle under sterile conditions.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Stability</b>       | 6 months after shipping                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Storage</b>         | Lyophilized: 2-8 °C; reconstituted: -80 °C. Avoid multiple freeze-thaw cycles.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Shipping</b>        | Room temperature or blue ice                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Hazards</b>         | Product is not classified as hazardous according to (EC) No 1272/2008 [CLP].<br>A Material Safety Data Sheet is provided.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Application</b>     | Fab-Streps were developed for Traceless Affinity Cell Selection (Fab-TACS®), based on our Strep-tag® technology, and are also suitable for exosome isolation. An increase in avidity is required for stable binding to the target. Depending on the Strep-Tactin® backbone, the following applications are possible: <b>Fluorescent cell staining and sorting</b> with fluorescently conjugated Strep-Tactin® or <b>affinity chromatographic cell and exosome isolation</b> with Strep-Tactin® TACS Agarose (columns). Biotin removes all reagents from cells or exosomes, yielding label-free populations for unbiased further use. |

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