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## Data Sheet

# CD31 Fab-Strep human

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<b>Description</b>	Recombinant low affinity Fab fragment fused to a Twin-Strep-tag <sup>®</sup> and specific for human CD31.
<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]. A Material Safety Data Sheet is provided.
<b>Application</b>	Fab-Streps were developed for Traceless Affinity Cell Selection (Fab-TACS <sup>®</sup> ), based on our Strep-tag <sup>®</sup> technology. An increase in avidity is required for stable binding to the target. Depending on the Strep-Tactin <sup>®</sup> backbone, the following applications are possible: <b>Fluorescent cell staining and sorting</b> with fluorescently conjugated Strep-Tactin <sup>®</sup> or <b>affinity chromatographic cell isolation</b> with Strep-Tactin <sup>®</sup> TACS Agarose (columns). Biotin causes the dissociation of all reagents from the cells, yielding label-free populations for unbiased further use.

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