

Design for Sustainability (DfS) Scorecard

With our DfS scorecard, we drive sustainability improvement during the product development process through multiple product sustainability criteria divided into seven impact areas.



Animal Component Free Recombinant Monoclonal Antibodies

Enhanced monoclonal antibodies with high specificity for western blotting, flow cytometry and immunocytochemistry applications



Impact areas

Results



MATERIALS

Supplied in buffered glycerol solution.
While sodium azide, a substance of concern, is no longer added to the solution, trace amounts (0.02%) remain in the end product due to the raw materials used during production.



SUPPLIERS & MANUFACTURING

Recombinantly produced under animal component free conditions.



PACKAGING

No change compared to baseline product in consideration of our DfS criteria.



ENERGY & EMISSIONS

No change compared to baseline product in consideration of our DfS criteria.



WATER

No change compared to baseline product in consideration of our DfS criteria.



USABILITY & INNOVATION

Enhanced validation verifies strong signal and significantly reduces non-specific binding.



CIRCULAR ECONOMY

No change compared to baseline product in consideration of our DfS criteria.

Baseline product: Traditional antibodies derived from animals or in vitro culture using animal components