

Catalog Number S20992

Product Name streptavidin, Alexa Fluor™ 647–R-phycoerythrin conjugate (Alexa Fluor™ 647–R-phycoerythrin streptavidin) *1 mg/mL *

Appearance purple solution

Medium 0.1 M NaPi, 0.1 M NaCl, 2 mM EDTA, pH 7.5, 1% glycerol, 5 mM sodium azide

Lot Number 2892433

	LOT DATA	SPECIFICATION
ABSORPTION		
Maximum ¹	566 nm	566 ± 5 nm
Maximum ²	651 nm	653 ± 5 nm
FLOW CYTOMETRY		
Two Parameter Dot Plot ³	meets specification	good separation of cells labeled with this product from cells labeled with R-phycoerythrin
FLUORESCENCE		
Emission Maximum	667 nm	666 ± 5 nm
Quenching of R-phycoerythrin	meets specification	≥ 95 %
Relative Quantum Yield ⁴	1.3	≥ 0.7

1. The absorbance maximum for R-phycoerythrin

2. The absorbance maximum for Alexa Fluor® 647 dye

3. Staining of human lymphocytes with biotinylated anti-CD4 and this product, and anti-CD8 - R-phycoerythrin conjugate

4. Quantum yield determined relative to the acceptor dye, exciting the product at 488 nm and the acceptor dye at 633 nm



Zach Luedtke, Quality Assurance Manager
15-Aug-2024

Life Technologies Corporation certifies on the date above that this is an accurate record of the analysis of the subject lot, and that the data conform to the specifications in effect for this product at the time of analysis.
Products are under warranty for one year from the date of shipment unless otherwise stated on this document or the product literature.