

Catalog Number S21374
Product Name streptavidin, Alexa Fluor™ 647 conjugate
Appearance blue solid
Lot Number 2680435

Small variation in color is possible, but should not affect product performance.

	LOT DATA	SPECIFICATION
ABSORPTION		
Maximum	652 nm	654 ± 5 nm
Degree of Labeling ¹	3	2 – 4
FLUORESCENCE		
Emission Maximum	670 nm	669 ± 5 nm
Relative Quantum Yield ²	1.7	≥ 1.0
MICROSCOPY		
Immunocytochemistry ³	meets specification	good staining, negligible background
PURITY⁴		
TLC	meets specification	negligible or no free dye detected

1. Moles of dye per mole of protein, determined using an ϵ of 239,000 $\text{cm}^{-1}\text{M}^{-1}$ at the absorption maximum
2. Quantum yield determined relative to 7-hydroxy-9H-(1,3-dichloro-9,9-dimethylacridin-2-one) (DDAO)
3. Cell staining performed using a primary antibody specific for cell type and isotype, and this product
4. Solvent: 80% acetonitrile/20% water



Zach Luedtke, Quality Assurance Manager
13-Jan-2023

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.