

Catalog Number S11237  
Product Name streptavidin, Alexa Fluor® 430 conjugate  
Appearance yellow solid  
Lot Number 1848494

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

	LOT DATA	SPECIFICATION
<b>ABSORPTION</b>		
Maximum	433 nm	433 ± 5 nm
Degree of Labeling <sup>1</sup>	4	3 – 7
<b>FLUORESCENCE</b>		
Emission Maximum	534 nm	536 ± 6 nm
Relative Quantum Yield <sup>2</sup>	0.9	≥ 0.5
<b>MICROSCOPY</b>		
Immunocytochemistry <sup>3</sup>	meets specification	good staining, negligible background
<b>PURITY<sup>4</sup></b>		
TLC	meets specification	negligible or no free dye detected

1. Moles of dye per mole of protein, determined using an  $\epsilon$  of  $16,500 \text{ cm}^{-1} \text{M}^{-1}$  at the absorption maximum.
2. Quantum yield determined relative to lucifer yellow CH, lithium salt.
3. Cell staining performed using a primary antibody specific for cell type and isotype, and this product.
4. Solvent: 80% acetonitrile/20% water.

Rachel Smith, Ph.D., Quality Assurance

18-Nov-2016

Life Technologies Corporation, on behalf of its Invitrogen business, Molecular Probes® labeling and detection technologies, 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.