

Catalog Number C22842
Product Name cholera toxin subunit B (recombinant), Alexa Fluor® 594 conjugate
Appearance purple solid
Lot Number 2160063

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

	LOT DATA	SPECIFICATION
ABSORPTION		
Maximum	591 nm	592 ± 5 nm
Degree of Labeling ¹	3	2 – 5
FLUORESCENCE		
Emission Maximum	615 nm	614 ± 5 nm
Relative Quantum Yield ²	0.2	≥ 0.08
PURITY³		
TLC	meets specification	negligible or no free dye detected

1. Moles of dye per mole of protein, determined using an ϵ of 90,000 $\text{cm}^{-1}\text{M}^{-1}$ at the absorption maximum

2. Quantum yield determined relative to sulforhodamine 101

3. Solvent: 80% acetonitrile/20% water



Rachel Smith, Quality Assurance Manager
 12-Feb-2020

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.