

MOLECULAR PROBES®

CERTIFICATE OF ANALYSIS

Catalog Number C21402
Product Name concanavalin A, Alexa Fluor® 633 conjugate
Appearance blue solid
Lot Number 1719685

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

	LOT DATA	SPECIFICATION
ABSORPTION		
Maximum	631 nm	631 ± 5 nm
Degree of Labeling ¹	2	1 – 3
FLUORESCENCE		
Emission Maximum	645 nm	647 ± 5 nm
Relative Quantum Yield ²	0.6	≥ 0.2
PURITY³		
TLC	meets specification	negligible or no free dye detected

1. Moles of dye per mole of protein, determined using an ϵ of $100,000 \text{ cm}^{-1} \text{ M}^{-1}$ at the absorption maximum.
2. Quantum yield determined relative to 7-hydroxy-9H-(1,3-dichloro-9,9-dimethylacridin-2-one) (DDAO).
3. Solvent: 80% acetonitrile/20% water.

Rachel Smith, Ph.D., Quality Assurance

23-Jul-2015

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.