

Catalog Number I32450
Product Name isolectin GS-IB₄ from *Griffonia simplicifolia*, Alexa Fluor® 647 conjugate
Appearance blue solid
Lot Number 2369199

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	669 nm	669 ± 5 nm
Relative Quantum Yield ²	0.8	≥ 0.5
PURITY³		
TLC	meets specification	negligible or no free dye detected

1. Moles of dye per mole of protein, determined using an ϵ of 239,000 cm⁻¹M⁻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, Quality Assurance Manager
 3-Aug-2021

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.