

**Catalog Number** I21412  
**Product Name** isolectin GS-IB<sub>4</sub> from *Griffonia simplicifolia*, Alexa Fluor® 568 conjugate  
**Appearance** purple solid  
**Lot Number** 2591218

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

|                                     | LOT DATA            | SPECIFICATION                      |
|-------------------------------------|---------------------|------------------------------------|
| <b>ABSORPTION</b>                   |                     |                                    |
| Maximum                             | 581 nm              | 580 ± 5 nm                         |
| Degree of Labeling <sup>1</sup>     | 3                   | 2 – 4                              |
| <b>FLUORESCENCE</b>                 |                     |                                    |
| Emission Maximum                    | 610 nm              | 611 ± 5 nm                         |
| Relative Quantum Yield <sup>2</sup> | 0.4                 | ≥ 0.4                              |
| <b>PURITY<sup>3</sup></b>           |                     |                                    |
| TLC                                 | meets specification | negligible or no free dye detected |

1. Moles of dye per mole of protein, determined using an  $\epsilon$  of 91,300 cm<sup>-1</sup>M<sup>-1</sup> at the absorption maximum

2. Quantum yield determined relative to sulforhodamine 101

3. Solvent: 80% acetonitrile/20% water



Zach Luedtke, Quality Assurance Manager  
26-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.