

Catalog Number Z25006  
Product Name Zenon® Alexa Fluor® 568 Mouse IgG<sub>1</sub> Labeling Kit \*50 labelings\*  
Lot Number 2037316

	LOT DATA	SPECIFICATION
<b>ABSORPTION</b> <sup>1</sup> Maximum Degree of Labeling <sup>2</sup>	577 nm 3	579 ± 5 nm 1 – 3
<b>ACTIVITY TEST</b> <sup>1</sup> HPLC <sup>3</sup>	meets specification	formation of complex with isotype-specific mouse IgG
<b>FLOW CYTOMETRY</b> <sup>1</sup> Two Parameter Dot Plot	meets specification	good separation of cells labeled with this product from unlabeled cells
<b>FLUORESCENCE</b> <sup>1</sup> Emission Maximum Relative Quantum Yield <sup>4</sup>	600 nm 0.5	599 ± 5 nm ≥ 0.5
<b>PURITY</b> <sup>1</sup> HPLC <sup>3</sup> TLC <sup>5</sup>	meets specification meets specification	≥90% negligible or no free dye detected

1. For Component A alone
2. Moles of dye per mole of protein, determined using an  $\epsilon$  of  $91,300 \text{ cm}^{-1}\text{M}^{-1}$  at the absorption maximum.
3. HPLC performed using a Biosep S-3000 column.
4. Quantum yield determined relative to sulforhodamine 101.
5. Solvent: 80% acetonitrile/20% water.



Rachel Smith, Quality Assurance Manager  
11-Oct-2018

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.