

Catalog Number Z25000  
Product Name Zenon® Alexa Fluor® 350 Mouse IgG<sub>1</sub> Labeling Kit \*50 labelings\*  
Lot Number 1928393

	LOT DATA	SPECIFICATION
<b>ABSORPTION</b> <sup>1</sup> Maximum Degree of Labeling <sup>2</sup>	348 nm 6	349 ± 5 nm 4 – 6
<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>	443 nm 0.5	439 ± 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  $19,000 \text{ cm}^{-1}\text{M}^{-1}$  at the absorption maximum.
3. HPLC performed using a Biosep S-3000 column.
4. Quantum yield determined relative to 7-amino-4-methylcoumarin.
5. Solvent: 80% acetonitrile/20% water.



Rachel Smith, Quality Assurance Manager  
25-Sep-2017

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.