

**Catalog Number** Z25002  
**Product Name** Zenon® Alexa Fluor® 488 Mouse IgG<sub>1</sub> Labeling Kit \*50 labelings\*  
**Lot Number** 2147624

	LOT DATA	SPECIFICATION
<b>ABSORPTION<sup>1</sup></b> Maximum	494 nm	495 ± 5 nm
Degree of Labeling <sup>2</sup>	5	2 – 6
<b>ACTIVITY TEST<sup>1</sup></b> HPLC <sup>3</sup>	meets specification	formation of complex with isotype-specific mouse IgG
<b>FLOW CYTOMETRY<sup>1</sup></b> Two Parameter Dot Plot	meets specification	good separation of cells labeled with this product from unlabeled cells
<b>FLUORESCENCE<sup>1</sup></b> Emission Maximum	519 nm	518 ± 5 nm
Relative Quantum Yield <sup>4</sup>	0.7	≥ 0.5
<b>PURITY<sup>1</sup></b> HPLC <sup>3</sup>	meets specification	≥90%
TLC <sup>5</sup>	meets specification	negligible or no free dye detected

1. For Component A alone

2. Moles of dye per mole of protein, determined using an  $\epsilon$  of 71,000 cm<sup>-1</sup>M<sup>-1</sup> at the absorption maximum

3. HPLC performed using a Biosep S-3000 column

4. Quantum yield determined relative to fluorescein at pH 8.0

5. Solvent: 80% acetonitrile/20% water



Rachel Smith, Quality Assurance Manager  
 1-Oct-2019

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.