

**Catalog Number** Z25002  
**Product Name** Zenon® Alexa Fluor® 488 Mouse IgG<sub>1</sub> Labeling Kit \*50 labelings\*  
**Lot Number** 2463311

	LOT DATA	SPECIFICATION
<b>ABSORPTION<sup>1</sup></b> Maximum	495 nm	495 ± 5 nm
Degree of Labeling <sup>2</sup>	4	2 – 6
<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	520 nm	518 ± 5 nm
Relative Quantum Yield <sup>3</sup>	0.7	≥ 0.5
<b>PURITY<sup>1</sup></b> HPLC <sup>4</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. Quantum yield determined relative to fluorescein at pH 8.0

4. HPLC performed using a Biosep S-3000 column

5. Solvent: 80% acetonitrile/20% water



Rachel Smith, Quality Assurance Manager  
 21-Apr-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.