

Catalog Number Z25002
Product Name Zenon® Alexa Fluor® 488 Mouse IgG₁ Labeling Kit *50 labelings*
Lot Number 2343999

	LOT DATA	SPECIFICATION
ABSORPTION¹ Maximum Degree of Labeling ²	495 nm 4	495 ± 5 nm 2 – 6
FLOW CYTOMETRY¹ Two Parameter Dot Plot	meets specification	good separation of cells labeled with this product from unlabeled cells
FLUORESCENCE¹ Emission Maximum Relative Quantum Yield ³	518 nm 0.6	518 ± 5 nm ≥ 0.5
PURITY¹ HPLC ⁴ TLC ⁵	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 ϵ of 71,000 cm⁻¹M⁻¹ 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
 10-Mar-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.