

Catalog Number Z25306
Product Name Zenon® Alexa Fluor® 568 Rabbit IgG Labeling Kit *50 labelings*
Lot Number 2080270

	LOT DATA	SPECIFICATION
ABSORPTION ¹ Maximum Degree of Labeling ²	577 nm 2	579 ± 5 nm 1 – 3
ACTIVITY TEST ¹ HPLC ³	meets specification	formation of complex with rabbit IgG
FLUORESCENCE ¹ Emission Maximum Relative Quantum Yield ⁴	599 nm 0.9	599 ± 5 nm ≥ 0.5
MICROSCOPY ¹ Immunocytochemistry ⁵	meets specification	good staining, negligible background
PURITY ¹ HPLC ³ TLC ⁶	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 $91,300 \text{ cm}^{-1}\text{M}^{-1}$ at the absorption maximum.
3. HPLC performed using a Biosep S-3000 column.
4. Quantum yield determined relative to sulforhodamine 101.
5. Cell staining performed using a primary antibody specific for cell type and isotype, and this product.
6. Solvent: 80% acetonitrile/20% water.



Rachel Smith, Quality Assurance Manager
27-Mar-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.