

Catalog Number A31634
Product Name Alexa Fluor® 647 Goat Anti-Rabbit SFX Kit *highly cross-adsorbed*
Lot Number 2221787

	LOT DATA	SPECIFICATION
ABSORPTION¹ Maximum Degree of Labeling ²	651 nm 5	653 ± 5 nm 3 – 6
FLUORESCENCE¹ Emission Maximum Relative Quantum Yield ³	667 nm 0.9	668 ± 5 nm ≥ 0.5
MICROSCOPY¹ Immunocytochemistry ⁴	meets specification	good staining, negligible background
PURITY^{1,5} TLC	meets specification	negligible or no free dye detected
MISCELLANEOUS INFORMATION Component B	meets specification	This product has been tested in a typical application and performed as expected.

1. For Component A alone
2. Moles of dye per mole of protein, determined using an ϵ of 239,000 $\text{cm}^{-1}\text{M}^{-1}$ at the absorption maximum
3. Quantum yield determined relative to 7-hydroxy-9H-(1,3-dichloro-9,9-dimethylacridin-2-one) (DDAO)
4. Cell staining performed using a primary antibody specific for cell type and isotype, and this product
5. Solvent: 80% acetonitrile/20% water



Rachel Smith, Quality Assurance Manager
 22-Jan-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.