

Catalog Number A31634
Product Name Alexa Fluor® 647 Goat Anti-Rabbit SFX Kit *highly cross-adsorbed*
Molecular Formula N/A
Lot Number 876613

| | LOT DATA | SPECIFICATION |
|---|---------------------|--|
| ABSORPTION ¹ Maximum Degree of Labeling ² | 651 nm 6 | 653 ± 5 nm 3 – 6 |
| FLUORESCENCE ¹ Emission Maximum Relative Quantum Yield ³ | 668 nm 0.8 | 668 ± 5 nm ≥ 0.5 |
| MICROSCOPY ¹ Immunocytochemistry ⁴ | meets specification | good staining, negligible background |
| MISCELLANEOUS INFORMATION Component B | meets specification | This product has been tested in a typical application and performed as expected. |
| PURITY ⁵ TLC | meets specification | negligible or no free dye detected |

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. For Component A alone



Terence Featherstone, Ph.D., Biosciences Quality Control Manager
22-Oct-2010

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.