

Catalog Number A31632
Product Name Alexa Fluor® 594 Goat Anti-Rabbit SFX Kit *highly cross-adsorbed*
Lot Number 2489087

| | LOT DATA | SPECIFICATION |
|--|---------------------|--|
| ABSORPTION¹ Maximum Degree of Labeling ² | 590 nm 4 | 591 ± 5 nm 3 – 5 |
| FLUORESCENCE¹ Emission Maximum Relative Quantum Yield ³ | 620 nm 0.8 | 617 ± 5 nm ≥ 0.3 |
| 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 dextran, determined using an ϵ of $90,000 \text{ cm}^{-1}\text{M}^{-1}$ at the absorption maximum
3. Quantum yield determined relative to sulforhodamine 101
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
 13-Jul-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.