

Catalog Number A31632
Product Name Alexa Fluor® 594 Goat Anti-Rabbit SFX Kit *highly cross-adsorbed*
Molecular Formula N/A
Lot Number 1901234

	LOT DATA	SPECIFICATION
ABSORPTION ¹ Maximum Degree of Labeling ²	590 nm 4	591 ± 5 nm 3 – 5
FLUORESCENCE ¹ Emission Maximum Relative Quantum Yield ³	617 nm 0.7	617 ± 5 nm ≥ 0.3
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 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. For Component A alone



Rachel Smith, Quality Assurance Manager
20-Jul-2017

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.