

Catalog Number A31573
Product Name Alexa Fluor® 647 donkey anti-rabbit IgG (H+L) *2 mg/mL*
Appearance blue solution
Medium 0.1 M NaPi, 0.1 M NaCl, pH 7.5, 5 mM azide
Lot Number 1563697

	LOT DATA	SPECIFICATION
ABSORPTION		
Maximum	652 nm	653 ± 5 nm
Degree of Labeling ¹	5	3 – 6
FLUORESCENCE		
Emission Maximum	667 nm	668 ± 5 nm
Relative Quantum Yield ²	0.9	≥ 0.5
MICROSCOPY		
Immunocytochemistry ³	meets specification	good staining, negligible background
PURITY⁴		
TLC	meets specification	negligible or no free dye detected

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

Betty Wood

Betty Wood, Quality Assurance Manager
 02-Apr-2014

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.