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## CERTIFICATE OF ANALYSIS

**Catalog Number** L128B  
**Product Name** Andy Fluor™ 680 Goat Anti-Mouse IgG (H+L) Antibody  
**Lot Number** AB128L1

|                                                                                | LOT DATA            | SPECIFICATION                        |
|--------------------------------------------------------------------------------|---------------------|--------------------------------------|
| <b>Absorption</b><br>Maximum<br>Degree of Labeling                             | 680 nm<br>4         | 680 ± 5 nm<br>3 - 6                  |
| <b>Fluorescence</b><br>Emission Maximum<br>Relative Quantum Yield <sup>1</sup> | 700 nm<br>0.4       | 702 ± 5 nm<br>≥0.2                   |
| <b>Microscopy</b><br>Immunocytochemistry <sup>2</sup>                          | meets specification | Good staining, negligible background |
| <b>Purity</b> <sup>3</sup><br>TLC                                              | meets specification | No free dye detected                 |

1. Quantum yield determined relative to 7-hydroxy-9H-(1,3-dichloro-9,9-dimethylacridin-2-one) (DDAO).
2. Cell staining performed using a primary antibody specific for cell type, and this product.
3. Solvent: acetonitrile/water (4/1).