

Catalog Number A11039
Product Name Alexa Fluor® 488 goat anti-chicken IgG (H+L) *2 mg/mL*
Appearance yellow solution
Medium 0.1 M NaPi, 0.1 M NaCl, pH 7.5, 5 mM azide
Lot Number 1691381

| | LOT DATA | SPECIFICATION |
|-------------------------------------|---------------------|--------------------------------------|
| ABSORPTION | | |
| Maximum | 494 nm | 497 ± 5 nm |
| Degree of Labeling ¹ | 7 | 4 – 8 |
| FLUORESCENCE | | |
| Emission Maximum | 518 nm | 520 ± 5 nm |
| Relative Quantum Yield ² | 0.7 | ≥ 0.4 |
| 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 $71,000 \text{ cm}^{-1} \text{ M}^{-1}$ at the absorption maximum.

2. Quantum yield determined relative to fluorescein at pH 8.0.

3. Cell staining performed using a primary antibody specific for cell type and isotype, and this product.

4. Solvent: 80% acetonitrile/20% water.

Rachel Smith, Ph.D., Quality Assurance

07-Apr-2015

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.