

Catalog Number A11001
Product Name Alexa Fluor™ 488 goat anti-mouse IgG (H+L) *2 mg/mL*
Appearance yellow solution
Medium 0.1 M NaPi, 0.1 M NaCl, pH 7.5, 5 mM sodium azide
Lot Number 3268352

	LOT DATA	SPECIFICATION
ABSORPTION		
Maximum	495 nm	495 ± 5 nm
Degree of Labeling ¹	6	4 – 8
FLUORESCENCE		
Emission Maximum	519 nm	519 ± 5 nm
Relative Quantum Yield ²	0.7	≥ 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 $71,000 \text{ cm}^{-1} \text{M}^{-1}$ 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



Zach Luedtke, Quality Assurance Manager
21-Aug-2025

Life Technologies Corporation 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.

Products are under warranty for one year from the date of shipment unless otherwise stated on this document or the product literature.