

Catalog Number L11270
Product Name lectin PHA-L from *Phaseolus vulgaris* (red kidney bean), Alexa Fluor® 488 conjugate
Appearance orange solid
Lot Number 1714490

Small variation in color is possible, but should not affect product performance.

	LOT DATA	SPECIFICATION
ABSORPTION		
Maximum	495 nm	496 ± 5 nm
Degree of Labeling ¹	5	4 – 7
FLUORESCENCE		
Emission Maximum	517 nm	521 ± 5 nm
Relative Quantum Yield ²	0.5	≥ 0.2
PURITY³		
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. Solvent: 80% acetonitrile/20% water.

Rachel Smith, Ph.D., Quality Assurance

15-Jun-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.