

MATERIAL DATA SHEET**ISG15 Fluorescein, human recombinant**
Cat. # UL-613

ISG15 modified with fluorescein via primary amine coupling, resulting in the modification of lysine residues as well as the N-terminus. This labeled ISG15 allows for direct detection spectrophotometrically with higher efficiency and sensitivity than with antibodies.

Product Information

Quantity:	50 µg
Stock:	X mg/ml (XµM) in 50mM Hepes pH 7.5, 100mM NaCl. Actual concentration varies with lot number.
MW:	17 kDa
Purity:	> 95% by PAGE

Use & Storage

Use:	Fluorescein-ISG15 gives a strong signal in the range of 0.1-1 µM, depending on exact experimental conditions. Optimal fluorescence at pH 8.0 is monitored using Ex ₄₉₀ nm and Em ₅₁₅ nm wavelengths respectively.
Storage:	Store at -80°C. Avoid multiple freeze/thaw cycles.

Literature

References:	Dao C.T. and Zhang D.E. (2005) <u>Front. Biosci.</u> 10 :2346-2365 Dao C.T. and Zhang D.E. (2005) <u>Front. Biosci.</u> 10 :2701-2722 D'Cunha J., <i>et al.</i> (1996) <u>Proc. Natl. Acad. Sci.</u> 93 :211-215 Kim K.I. and Zhang D. (2003) <u>Biochem. Biophys. Res. Comm.</u> 307 :431-434 Owhashi M., <i>et al.</i> (2003) <u>Biochem. Biophys. Res. Comm.</u> 309 :533-539 Narasimhan J., <i>et al.</i> (2005) <u>J. Biol Chem.</u> 280 :27356-27365 Potter J.L., <i>et al.</i> (1999) <u>J. Biol Chem.</u> 267 :25061068 Ritchie K.J. and Zhang D.E. (2004) <u>Sem. Cell. Dev. Biol.</u> 2 : 237-246
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