

MATERIAL DATA SHEET**SUMO3 Fluorescein, *human recombinant***
Cat. # UL-766

SUMO-3 modified with fluorescein via primary amine coupling resulting in modification of lysine residues as well as the N-terminus. Although having a fully functional C-terminus, lysine modification may limit the ability of this reagent to propagate poly-SUMO chains. This labeled SUMO-3 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:	10.5 kDa
Purity:	> 95% by PAGE

Use & Storage

Use:	Fluorescein SUMO-3 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:	Lapenta V., <i>et al.</i> (1997) <u>Genomics</u> 40 :362-366 Gill G. (2004) <u>Genes.Dev.</u> 18 :2046-2059 Meluh P.B. and Koshland D. (1995) <u>Mol. Biol. Cell</u> 6 : 793-807 Saitoh H. and Hinchev J. (2000) <u>J.Biol. Chem.</u> 275 :6252-6258 Su H.L. and Li S. S.-L. (2002) <u>Gene</u> 296 : 65-73 Subramanian L., <i>et al.</i> (2003) <u>J.Biol. Chem.</u> 278 :9134-9141 Yeh E.T.H., <i>et al.</i> (2000) <u>Gene</u> 248 :1-14
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