

Level in TLR4 pathway	Time	Method	Protein Target	Fluorophore	Excitation (nm)	Emission (nm)
TLR4 receptor activation	0s, 30s, 30m	Microscopy, flow cytometry	TLR4/MD2 complex	PE	488	585/42
Intracellular MAPK phosphorylation	0s, 30m	Microscopy, flow cytometry	Phospho-ERK 1/2	Alexa-647	635	670/20
RelA-GFP translocation	0s to 2h continuous	Time-Lapse Microscopy	RelA(P65)	GFP	488	530/30
Cytokine Production	0h, 4h	Microscopy, flow cytometry	TNF- α	Cy5	635	660/20