

Materials List for:

In Vivo* Biosensor Tracks Non-apoptotic Caspase Activity in *Drosophila

Ho Lam Tang¹, Ho Man Tang¹, Ming Chiu Fung², J. Marie Hardwick¹

¹W. Harry Feinstone Department of Molecular Microbiology and Immunology, Johns Hopkins University Bloomberg School of Public Health

²School of Life Sciences, Chinese University of Hong Kong

Correspondence to: J. Marie Hardwick at hardwick@jhu.edu

URL: <https://www.jove.com/video/53992>

DOI: [doi:10.3791/53992](https://doi.org/10.3791/53992)

Materials

Name	Company	Catalog Number	Comments
Consumables and Reagents			
Vectashield	Vector Products	H-1000	Mounting medium
Forceps	Ted Pella	#505 (110mm, #5)	Dumont tweezer biology grade, stainless steel
Hanging Drop Slides	Fisher Scientific	12-565B	Glass slides
Hoechst 33342	Molecular Probes	H1399	DNA stain
Alexa Fluor 633 Phalloidin	Molecular Probes	A22284	Actin stain
Rat-Elav-7E8A10 anti-elav antibody	Developmental Studies Hybridoma Bank (DSHB)	Antibody Registry ID: AB_528218	Stain for <i>Drosophila</i> pan-neuronal ELAV
Cleaved caspase-3 (Asp175) antibody	Cell Signaling Technology	#9661	Stain for active fragment of caspase-3
ProLong Gold antifade reagent	Life Technologies	P36934	to preserve fluorophores
ProLong Diamond Antifade Mountant	Life Technologies	P36961	to preserve fluorophores
SylGard 182 Silicone Elastomer Kit	Dow Corning	Product code: 0001023934	for dissection plates
Equipment			
LSM780 confocal microscope	Carl Zeiss	N/A	Imaging
Carl Zeiss Stereomicroscope Stemi 2000	Carl Zeiss	N/A	<i>Drosophila</i> dissection
AmScope Fiber Optic Dual Gooseneck Microscope Illuminator, 150 W	AmScope	WBM99316	Light source