



***zf147Tg/+* (AB) (CZRC Catalog ID: CZ82)**

Nature of the transgene

The *zf147Tg* allele was generated by random integration of *Tg(apoeb:LY-EGFP)* construct. This transgenic line is expressed under the control of the apolipoprotein-E locus (Apo-E-GFP), a previously described marker for zebrafish microglia. To this aim, Lab of origin introduced a membrane-bound GFP into the apolipoprotein-E locus. Transgenic lines recapitulate the Apo-E expression pattern and allow the *in vivo* morphology of these cells to be observed for the first time in the zebrafish.

Genotyping assay

1. Genotyping of the *zf147Tg* allele is based on the fluorescent microscope. As identified by fluorescent microscope, the GFP fluorescence signal is detectable in microglia.

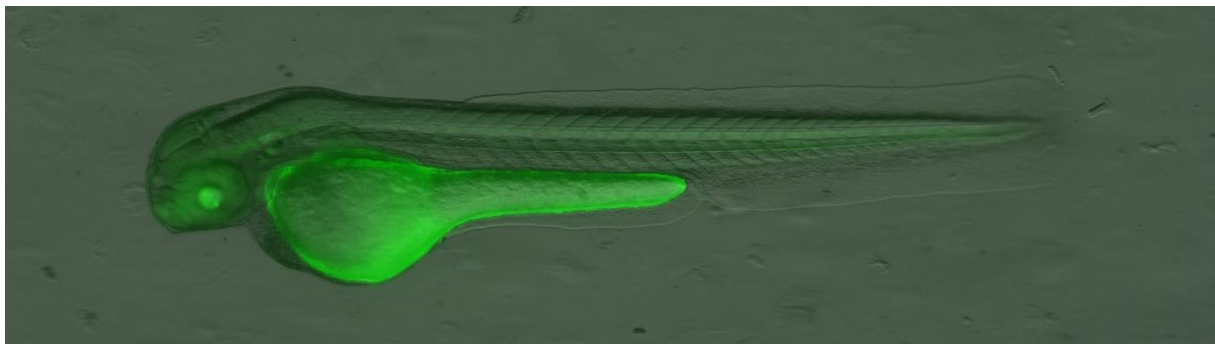


Figure. GFP expression in microglia in *zf147Tg* embryos after 0.2 mmol/L PTU at 2dpf.

Reference:

Peri, F., and Nüsslein-Volhard, C. (2008) Live Imaging of Neuronal Degradation by Microglia Reveals a Role for v0-ATPase a1 in Phagosomal Fusion *In Vivo*. *Cell*. 133(5):916-927

