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Lysosomal Membrane Permeability (LMP) assay

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Protocol status: Working

We use this protocol and it's working

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Abstract

This protocol details the requirements of the Lysosomal Membrane Permeability (LMP) assay.

Materials

- **Antibody:**

Anti-Galectin 3 antibody (ab2785)  Anti-Galectin 3 antibody [A3A12] **Abcam Catalog #ab2785**

- **Coverslips:**

Poly-D-Lysin coated coverslips. Corning BioCoat (Ref: 354086).

 Corning® BioCoat™ Poly-D-Lysine #1 German Glass Coverslip **Merck Catalog #354086**



Cell Culture/Treatments:

- 1 0.5×10^4 /ml of cells plated on coverslips.
- 2 PFF-488 treatment.
- 3 PBS/trypsin (0.01%) wash.
- 4 Fix cells using 4% PFA.
- 5 Immunostaining using Galectin 3 primary antibody.



Imaging:

- 6 Leica Stellaris 8 confocal laser scanning microscope.
- 7 Image analysis:
Image J. quantification of the % area of the cell covered by Galectin 3 immunoreactivity.

