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DQ-BSA assay

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Narayana Yadavalli[1,2,3,4,5], Shawn M. Ferguson[1,2,3,4,6,5]

[1]Department of Cell Biology, Yale University School of Medicine, New Haven, Connecticut 06510, USA;
[2]Neuroscience, Yale University School of Medicine, New Haven, Connecticut 06510, USA;
[3]Program in Cellular Neuroscience, Neurodegeneration and Repair;
[4]Wu Tsai Institute Yale University School of Medicine, New Haven, Connecticut 06510, USA;
[5]Aligning Science Across Parkinson's (ASAP) Collaborative Research Network, Chevy Chase, MD, 20815, USA;
[6]Kavli Institute for Neuroscience, Yale University School of Medicine, New Haven, Connecticut 06510, USA

Berrak Ugur
Yale University

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Protocol status: Working
We use this protocol and it's working

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Abstract

This protocol describes the DQ BSA assay for measuring the lysosomal proteolytic activity.

Attachments

DOCX

mqjxbj3up.docx
15KB

Materials

Reagents

1. DQ BSA - #D12051 (1mg/ml prepared in sterile PBS), working concentration 10µg/ml.
2. BSA-488 - #A13100 (5mg/ml prepared in sterile PBS), working concentration 5 µg/ml.
3. Mattek glass bottom dishes

DQ-BSA assay

3h 10m

1 Plate 100,000 mature macrophages or microglia or BMDM were seeded on Mattek glass bottom dishes.

2 Next day treat cells with [M] 50 nanomolar (nM) MLi2 or [M] 250 nanomolar (nM) LRRK2-IN-1 for 02:00:00 followed by 01:00:00 treatment with 10 µg/mL DQ-BSA (Thermo Fisher Scientific, #D12051) and 50 µg/mL Alexa-488 BSA (Thermo Fisher Scientific #A13100) in the media containing inhibitors.

3h

3 After 3 hours wash the cells 3X with culture media.

4 Then add 1 mL culture media to the washed cells and return to incubator for 00:10:00 .

10m

5 Imaging was done on LSM 880.