

## **AUTOdot Autophagy Visualization Dye** **Monodansylpentane (MDH) Staining Tool** Catalog # SM1000a

### **Specification**

#### **AUTOdot Autophagy Visualization Dye - Product Information**

Concentration **0.1M**

#### **Target/Specificity**

AUTOdot is a monodansylpentane (MDH) staining tool specific for autophagic vacuoles.

#### **Format**

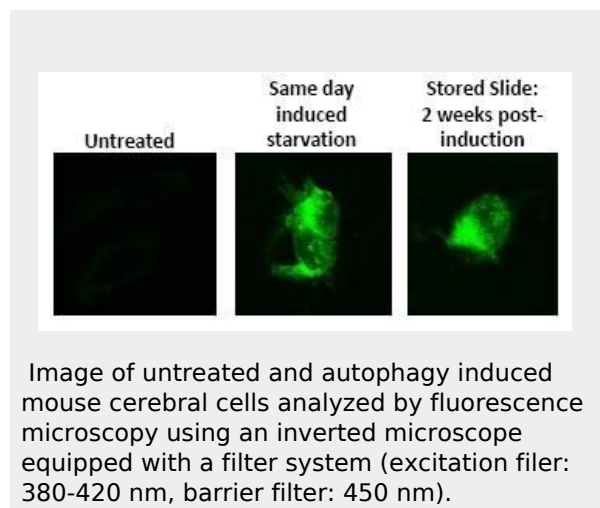
Product is 0.1M MDH supplied in DMSO.

#### **Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

#### **Precautions**

AUTOdot Autophagy Visualization Dye is for research use only and not for use in diagnostic or therapeutic procedures.



### **AUTOdot Autophagy Visualization Dye - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

### **AUTOdot Autophagy Visualization Dye - Citations**

- [PNPLA3 variant M148 causes resistance to starvation-mediated lipid droplet autophagy in human hepatocytes.](#)
- [PCYT1A Regulates Phosphatidylcholine Homeostasis from the Inner Nuclear Membrane in Response to Membrane Stored Curvature Elastic Stress.](#)
- [SNX14 mutations affect endoplasmic reticulum associated neutral lipid metabolism in autosomal recessive spinocerebellar ataxia 20.](#)
- [Adhesion-induced eosinophil cytolysis requires the receptor-interacting protein kinase 3 \(RIPK3\)-mixed lineage kinase-like \(MLKL\) signaling pathway, which is counterregulated by autophagy.](#)
- [Regulation of lipid droplets by metabolically controlled Ldo isoforms.](#)
- [Identification of seipin-linked factors that act as determinants of a lipid droplet subpopulation.](#)
- [Aurora A kinase phosphorylates Hec1 to regulate metaphase kinetochore-microtubule dynamics.](#)
- [A Novel Assay Reveals a Maturation Process during Ascospore Wall Formation.](#)
- [β-adrenergic induction of lipolysis in hepatocytes is inhibited by ethanol exposure.](#)

- [Novel replicons and trans-encapsidation systems for Hepatitis C Virus proteins live imaging and virus-host interaction proteomics.](#)
- [Staining of Lipid Droplets with Monodansylpentane.](#)
- [Mouse fat storage-inducing transmembrane protein 2 \(FIT2\) promotes lipid droplet accumulation in plants.](#)
- [Spatial control of lipid droplet proteins by the ERAD ubiquitin ligase Doa10.](#)
- [The seipin complex Fld1/Ldb16 stabilizes ER-lipid droplet contact sites.](#)
- [Lipid partitioning at the nuclear envelope controls membrane biogenesis.](#)
- [Hdac3-Deficiency Increases Marrow Adiposity and Induces Lipid Storage and Glucocorticoid Metabolism in Osteo-Chondroprogenitor Cells.](#)
- [High confidence proteomic analysis of yeast LDs identifies additional droplet proteins and reveals connections to dolichol synthesis and sterol acetylation.](#)