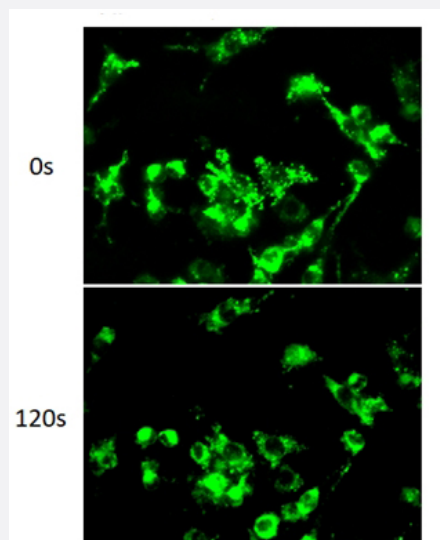


Lysosome Staining Kit (Green Fluorescence)

Catalog # KA4111

Size 1 Kit

Applications



Specification

Product Description

Lysosome Staining Kit (Green Fluorescence) is designed to label lysosomes of live cells in green fluorescence. The labeling protocol is robust, requiring minimal hands-on time. It can be readily adapted for a wide variety of fluorescence platforms such as microplate assays, immunocytochemistry and flow cytometry. It is useful for a variety of studies, including cell adhesion, chemotaxis, multidrug resistance, cell viability, apoptosis and cytotoxicity. The kit provides all the essential components with an optimized cell-labeling protocol. It is suitable for proliferating and non-proliferating cells, and can be used for both suspension and adherent cells.

Suitable Sample

Adherent cells, Suspension cells

Excitation (Max)

490 nm

Emission (Max)

525 nm

Regulation Status

For research use only (RUO)

Quality Control Testing

Images of HeLa cells stained with this kit in a Costar black wall/clear bottom 96-well plate. Samples were continuously illuminated for 120 seconds, and the signals were compared before and after the exposure by using a Keyence fluorescence microscope.

Storage Instruction

Store in the dark at -20°C.

Applications

- Functional Study

Publication Reference

- [Iron plays a role in sulfasalazine-induced ferroptosis with autophagic flux blockage in K7M2 osteosarcoma cells.](#)

Junyu Liu, Chenge Lou, Chenxiao Zhen, Yijia Wang, Peng Shang, Huanhuan Lv.

Metallomics : Integrated Biometal Science 2022 Apr; 14(5):mfac027.

Application: Func, Mouse, K7M2 cells

- [Thrombospondin-1 aggravates colonic mucosal inflammatory injuries via promoting the differentiation of CD11c + macrophages with lysosomal activity limited in colitis.](#)

Ping Tao, Beiping Zhang, Jiang Lin, Shiyang Wang.

Annals of Translational Medicine 2021 Dec; 9(23):60.

Application: IF, Human, Lamina propria mononuclear cells

- [PEITC triggers multiple forms of cell death by GSH-iron-ROS regulation in K7M2 murine osteosarcoma cells.](#)

Lv HH, Zhen CX, Liu JY, Shang P.

Acta Pharmacologica Sinica 2020 Aug; 41(8):1119.

Application: Func, Mouse, K7M2 cells