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Produktinformation



Forschungsprodukte & Biochemikalien



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Diagnostik & molekulare Diagnostik



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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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DQ-BSA-RED

Cat. No.:	HY-D2449
Target:	Fluorescent Dye
Pathway:	Others
Storage:	-80°C, protect from light

DQ-BSA-RED

BIOLOGICAL ACTIVITY

Description

DQ-BSA-Red is a bovine serum albumin labeled with a red fluorescent dye that can be used to detect lysosomal activity. The excitation wavelength and emission wavelength of DQ-BSA-Red are 590 nm and 620 nm, respectively. The BSA molecule in DQ-BSA-Red is labeled with high concentration of red fluorescent dye in multiple sites, which shows high fluorescence self-inhibition. Once DQ-BSA-RED enters the lysosome, DQ-BSA is cleaved by lysosomal proteases, resulting in unquenched and released fluorescent fragments, emitting bright fluorescence. Inactivated lysosomes are unable to degrade the BSA protein and thus have a lower or even no fluorescent signal^[1].

REFERENCES

[1]. Marwaha R, et al. DQ-Red BSA Trafficking Assay in Cultured Cells to Assess Cargo Delivery to Lysosomes. Bio Protoc. 2017 Oct 5;7(19):e2571.

Caution: Product has not been fully validated for medical applications. For research use only.

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