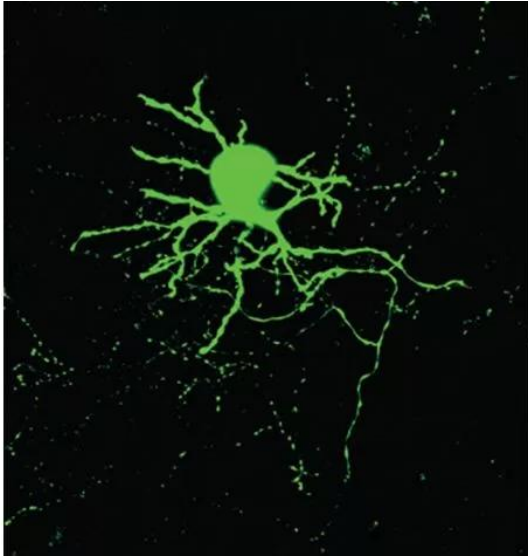




NEUROBIOTIN® 488 TRACER

SKU: SP-1125-2



DESCRIPTION

NEUROBIOTIN 488 Tracer is a tri-functional molecule designed for neuronal tracing and cell filling.

Features:

- Bright green fluorophore, similar in fluorescence to fluorescein, Cy2 or Alexa Fluor® 488
- Biotin label with a biotinidase-resistant linkage
- Fixable primary amine
- Used for visualizing neural architecture and for the identification of gap junction coupling
- Can be used in many types of preparations including in vivo, whole mounts, slice preparations, or cultured cells
- Can be delivered by many routes such as intracellular electrodes, microinjection, cut-loading, or scrape-loading

Advantages of NEUROBIOTIN Tracer over biocytin and other neuronal labels:

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- Better solubility
- More efficiently iontophoresed
- Remains in cell longer
- Non-toxic
- Can be fixed with formalin or glutaraldehyde

SPECIFICATIONS

Molecular Weight	747 g/mol
Detection Method	Avidin(Streptavidin)/Biotin Method, Chromogenic, Fluorescence
Maximum Emission	517 nm
Maximum Excitation	493 nm
Unit Size	2 mg
Storage Instructions	2-8 °C (desiccated). Once in solution, store frozen. This product does not contain an antimicrobial agent.
Usage Summary	NEUROBIOTIN 488 is soluble under the following conditions. Solvents and concentrations will require optimization depending on the application. Up to 10% in 3.0 M Tris, pH 8.8 Up to 2% in 0.25 M Tris, pH 8.8 or 0.25 M Tris, 1.0 M NaCl, pH 8.8 Up to 2% in 0.1 M bicarbonate buffer, pH 8.5 or 0.25 M bicarbonate, 1.0 M NaCl, pH 8.5 Up to 0.5% in 0.13 M cesium gluconate, 10 mM HEPES, pH 7.2 Up to 10% in DMSO
Neuronal Tracer - Direction of Transport	Anterograde/Retrograde

TECHNICAL INFORMATION

NEUROBIOTIN 488 Tracer is transported along axons and fine projections and is compatible with patch clamp applications and pressure injection methods. NEUROBIOTIN 488 Tracer is readily fixed with standard aldehyde based fixatives. This tracer can be viewed directly under fluorescence microscopy.

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CITATIONS

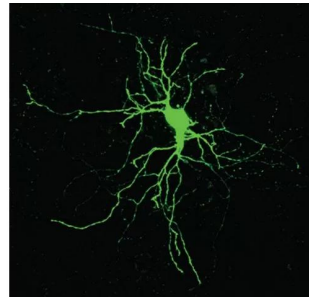
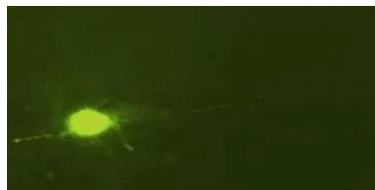
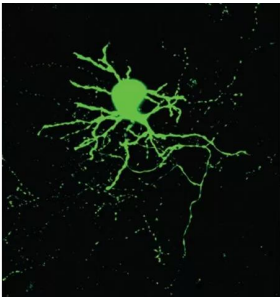


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DOCUMENTS

- [Safety Data Sheet](#)
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GALLERY IMAGES



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