

Product Data Sheet

Date of Issue: 07 Feb 2022

1. Product Information

- Product Name : ICG NHS ester labeling kit
- Catalog Number : ILSK0001
- Packing Unit : 1 Kit
- Appearance : Green Liquid
- Storage Conditions : Protect from Light at -20°C

2. Additional Information

- Fluorophore Label : ICG
- Reactive Group : NHS ester
- Reactive Toward : Primary amine
- Excitation_{Max} : 785
- Emission_{Max} : 811

3. Description

ICG NHS ester Labeling Kit is designed for effective antibody or protein labeling. ICG (Indocyanin green) dye is clinically approved near infrared (NIR) fluorescent dye. NIR fluorescence allows to observe the deep image from the surface of skin and being utilized in a wide range of research fields. The maxima of Ex/Em values are at 785/811nm. ICG might be excited using 750-800 nm laser line or LED and displays excellent optical property. NHS esters readily react with primary amine on antibody or protein by forming stable amide bond and, ipso facto, it is most popular and effective functional group incorporated into fluorescent reagent for protein or antibody labeling. ICG NHS ester labeling kit contains all required contents for antibody and protein labeling. We offer ICG NHS ester labeling kit as a convenient method which enable the labeling process to be easy.