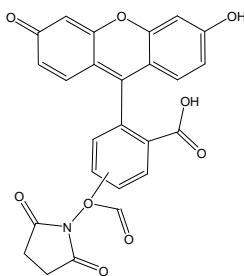


Product Data Sheet/Certificate of Analysis

Fluorescein One-Shot Antibody Kit

Storage: Store at room temperature.

A)



B)

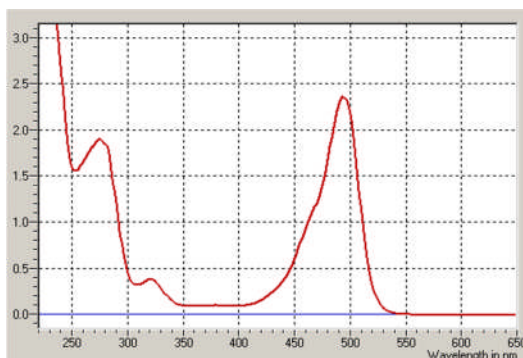


Figure: A) NHS-Fluorescein structure B) UV absorption spectra of buffer exchanged fluoresceinylated bovine IgG using the Fluorescein One-Shot Kit, peak at 494nm allows quantification of fluorescein incorporation.

Catalog Number: F-9001-009K

Lot Number:

Components:	Component #:	Units:
NHS-Fluorescein	F-9001-009K-01	2 x 10.0 µg
10X Modification Buffer	F-9001-009K-02	1.5 mL
0.5 mL Zeba™ Spin Columns*	F-9001-009K-03	4
Collection tubes	F-9001-009K-04	8
DMF	F-9001-009K-05	100 µL
Fluoresceinylated Bovine IgG Control	F-9001-009K-06	100 µg

*Zeba™—Trademark of Thermo Scientific/Pierce



Test	Specification	Result
Assay Performance	Incorporates 3-7 fluorescein molecules per antibody molecule when kit is used as directed to label a single 100 µg quantity of antibody.	Passed

QC Release Date	Expiration Date:
Released By:	

Product Description

NHS-Fluorescein is the most advanced protein fluoresceinylation reagent available. It features a succinimidyl ester functional group which modifies protein lysine residues under mild aqueous conditions. The linker is UV-traceable and absorbs at 494 nm. This UV-signature permits rapid quantification of incorporated fluorescein using a nondestructive absorption measurement at two wavelengths (A280 and A494).

Application

This kit allows fluoresceinylation (100µg) of two whole antibodies for use in Western blot, ELISA, solid phase immobilization or immunohistochemical (IHC) applications.

Comments

Not for internal or external use in humans.

