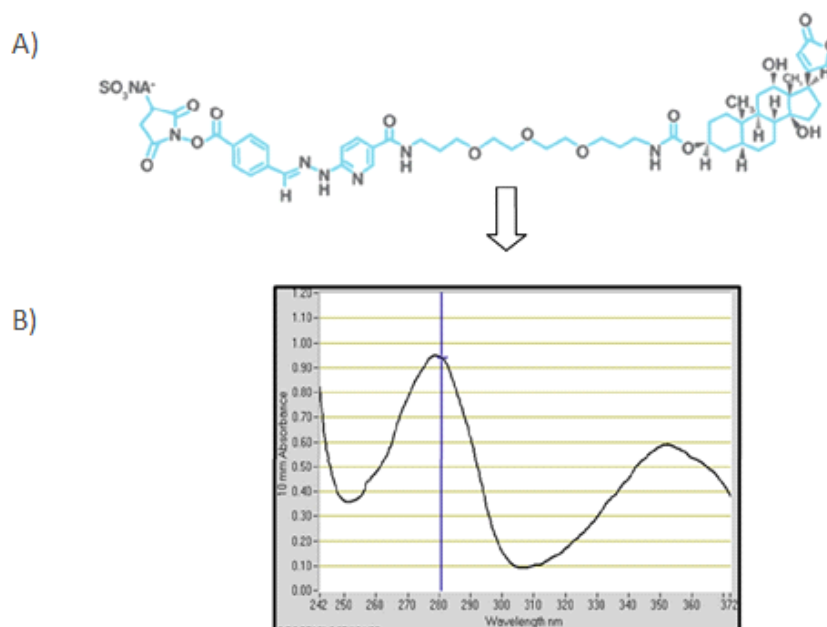


Product Data Sheet/Certificate of Analysis

ChromaLink Digoxigenin One-Shot Antibody Labeling Kit

Storage: Store at room temperature.



A) Sulfo ChromaLink Digoxigenin Reagent structure.

B) Overlaid UV absorption spectra of buffer-exchanged DIG-labeled bovine IgG using ChromaLinkTM Digoxigenin One-Shot Kit. Peak at 354nm allows for quantification of DIG incorporation.

Catalog Number: B-9014-009K

Lot Number:

Components:

Component #:

Units:

Sulfo-ChromaLink Digoxigenin	B-9004-009-1	11 µg
1X Modification Buffer	B-9004-009-2	1.5 mL
1X PBS	B-9004-009-3	1.5 mL
Anhydrous DMF	B-9004-009-4	25 µL
1.5 mL collection tubes	B-9004-009-5	4 tubes
0.5 mL Zeba Spin Column	B-9004-009-6	2 columns
DIG-labeled Bovine IgG Control	B-9004-009-7	100 µg
1M Tris HCl	B-9004-009-8	500 µL



Test	Specification	Result
Assay Performance	Incorporates 2-8 digoxigenin molecules per antibody when kit is used as directed to label 100 µg of antibody.	

QC Release Date	Expiration Date:
Released By:	

Product Description

ChromaLink DIG is the most advanced digoxigenin labeling reagent available. It features a water-soluble sulfo-succinimidyl ester functional group which modifies protein lysine residues under mild aqueous conditions. The linker is UV-traceable and absorbs at 354 nm. This UV-signature permits rapid quantification of incorporated digoxigenin using a nondestructive absorption measurement at two wavelengths (A280 and A354). The linker possesses an extended PEG₃ spacer that also helps preserve and maintain antibody/hapten affinity.

Application

This kit is used to DIG label any lysine protein or antibody for the use in Western Blot, ELISA, immobilization and immunohistochemistry applications. May also be used in any assay as an alternative to a standard NHS-DIG linker.

Comments

Not for internal or external use in humans.

