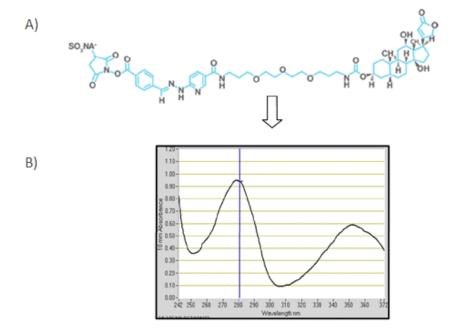


# Product Data Sheet/Certificate of Analysis

#### 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 lgG using ChromaLink<sup>TM</sup> Digoxigenin One-Shot Kit. Peak at 354nm allows for quantification of DIG incorporation.

Catalog Number: B-9014-	009К	Lot Number:		
Components:	Component #:		Units:	
Sulfo-ChromaLink Digoxigenin	B-900	4-009-1	11 μg	
1X Modification Buffer	B-900	4-009-2	1.5 mL	
1X PBS	B-9004-009-3		1.5 mL	
Anhydrous DMF	B-900	4-009-4	25 μL	
1.5 mL collection tubes	B-900	4-009-5	4 tubes	
0.5 mL Zeba Spin Column	B-900	4-009-6	2 columns	
DIG-labeled Bovine IgG Control	B-900	4-009-7	100 μg	
1M Tris HCl	B-900	4-009-8	500 μL	

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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 sulfosuccinimidyl 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 PEG<sub>3</sub> 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.

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