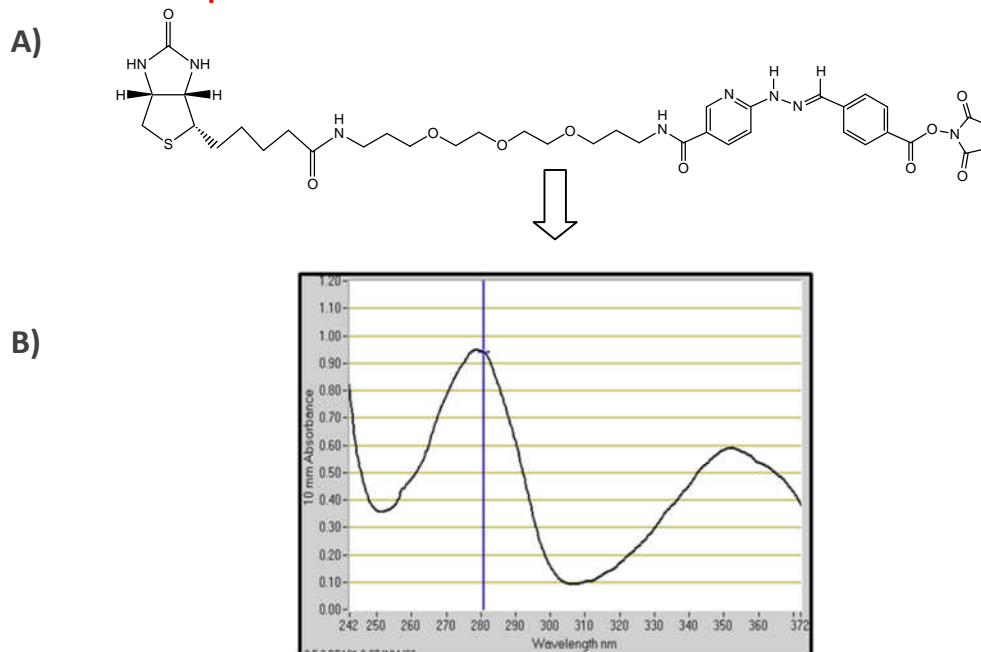


## Product Data Sheet/Certificate of Analysis

### ChromaLink One-Shot Antibody Biotinylation Kit

Storage: **Store at room temperature.**



**Figure:** A) ChromaLink Biotin reagent structure B) UV absorption spectra of buffer exchanged Biotinylated bovine IgG using the ChromaLink™ Biotin One-Shot Kit; peak at 354nm allows quantification of biotin incorporation.

Catalog Number: B-9007-009K

Lot Number:

**Components:**

**Component #:**

**Units:**

Components:	Component #:	Units:
ChromaLink Biotin	B-9007-009-00	12.0 µg
1X Modification Buffer	B-9007-009-02	1.5 mL
1X PBS	B-9007-009-03	1.5 mL
Collection tubes	B-9007-009-04	4
7K MWCO 0.5 mL Zeba™ Spin Columns	B-9007-009-05	2
Biotinylated Bovine IgG Control (MSR = X.XX)	B-9007-009-06	100 µg
1M Tris HCl	B-9007-009-07	500 µL
Anhydrous DMF	B-9007-009-08	500 µL

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Test	Specification	Result
Assay Performance	Incorporates 3-8 biotin molecules per antibody molecule when kit is used as directed to label a single 100 µg quantity of antibody at 1 mg/mL.	

QC Release Date	Expiration Date:
Released By:	

## Product Description

ChromaLink Biotin is the most advanced protein biotinylation 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 354 nm. This UV-signature permits rapid quantification of incorporated biotin 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 streptavidin/biotin affinity.

## Application

This kit allows biotinylation of 100µg of a single whole antibody for use in Western blot, ELISA, solid phase immobilization or immunohistochemical (IHC) applications. ChromaLink Biotin can also be used as an alternative replacement to standard NHS-Biotin linkers in any assay.

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## Comments

**Store at room temperature.** Not for internal or external use in humans.

