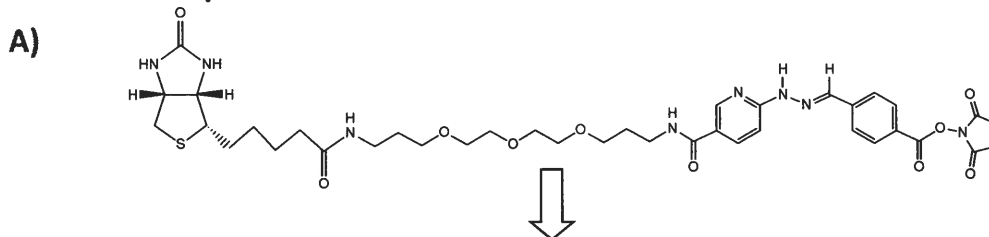


## ChromaLink™ One-Shot Antibody Biotinylation Kit

Storage: Store at room temperature.



B)

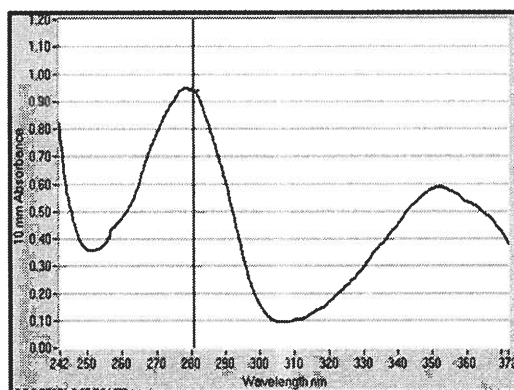


Figure: A) ChromaLink Biotin reagent structure B) UV absorption spectra of buffer exchanged Biotinylated bovine IgG using the ChromaLink™ Biotin One-Shot Kit; peak at 354nm allows quantification of biotin incorporation.

Catalog Number:	B-9007-009K	Lot Number:	WOTL4112
		Expiration Date:	12/29/2019

Component	Component #	Part #	Units
ChromaLink Biotin	B-9007-009-00	B-1001-00649	6.49 µg
1X Modification Buffer	B-9007-009-02	S-8000-1.5	1.5 mL
1X PBS	B-9007-009-03	S-8001-1.5	1.5 mL
2 mL Collection Tube	B-9007-009-04	S-8014-4	1
0.5 mL Zeba™ Column	B-9007-009-05	S-4024-2	1
Biotinylated Bovine IgG Control (MSR = 5.1±0.5)	B-9007-009-06	S-8041-0.1	100 µg
1M Tris HCl	B-9007-009-07	S-8005-1.5	1.5 mL
Anhydrous DMF	B-9007-009-08	S-4001-1.5	1.5 mL

Zeba™-Trademark of Thermo Scientific/Pierce

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.	Passed

Approved By: 

QA

Date: 30 JUN 2018

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## 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 100 µg 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.