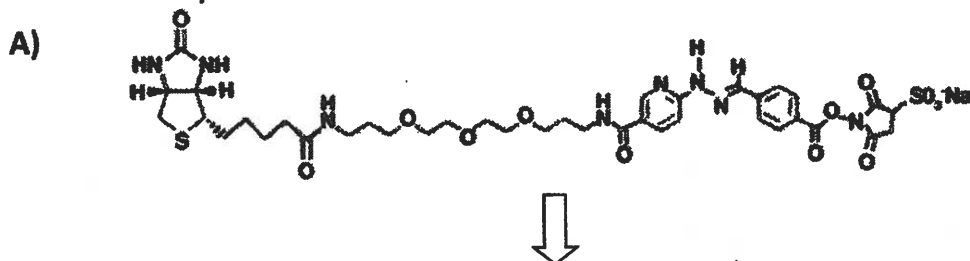


Product Data Sheet/Certificate of Analysis

Large Scale ChromaLink One-Shot Antibody Biotinylation Kit

Storage: Store at room temperature.



B)

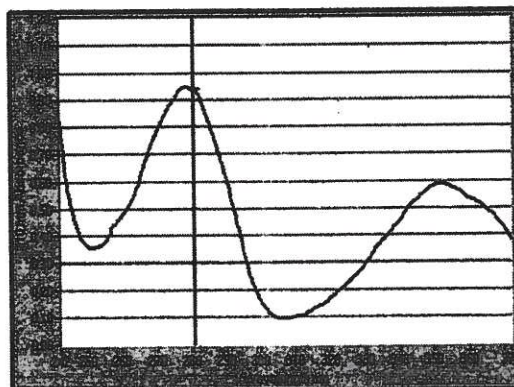


Figure: A) Sulfo-ChromaLink Biotin reagent structure B) UV absorption spectra of buffer exchanged Biotinylated bovine IgG using the ChromaLink™ Biotin One-Shot Kit, peak at 354nm allows quantification of biotin incorporation.

Catalog Number:

B-9007-020K

Lot Number:

WOTL4137

Component	Component #	Part #	Units
Sulfo ChromaLink Biotin	B-9007-020-01	B-1007-0.160	160 µg
1X Modification Buffer	B-9007-020-02	S-8000-25	25 mL
1X PBS	B-9007-020-03	S-8001-25	25 mL
15 mL Collection Tubes	B-9007-020-04	S-8014-15	4
7K MWCO 5 mL Zeba™ Spin Columns	B-9007-020-05	S-8008-5	2
Biotinylated Bovine IgG Control (MSR = 5.1±0.5)	B-9007-020-06	S-8041-0.5	500 µg
1M Tris HCl	B-9007-020-07	S-8005-0.5	500 µL



Test	Specification	Result
Assay Performance	Incorporates 3-8 biotin molecules per antibody molecule when kit is used as directed to label a single 2.0 mg quantity of antibody.	Passed

QC Release Date:	6/29/2018	Expiration Date:	12/29/2019
Released By:	<i>UA Quinn</i>		

Product Description

ChromaLink Biotin is the most advanced protein biotinylation 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 biotin using a nondestructive absorption measurement at two wavelengths (A280 and A354). The linker possesses an extended PEG3 spacer that also helps preserve and maintain streptavidin/biotin affinity.

Application

This kit allows biotinylation of a single 2.0 mg aliquot of antibody for use in Western blot, ELISA, solid phase immobilization or immunohistochemical (IHC) applications. Sulfo ChromaLink Biotin can also be used as an alternative replacement to standard NHS-Biotin linkers in any assay.

Comments

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

