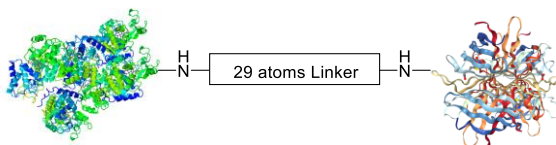


Certificate of Analysis

Description of the Material:

- (a) Chemical Name: HRP-Streptavidin (1:1) Conjugate
- (b) Chemical Structure:



- (c) Molecular Weight: 92 KDa
- (d) Appearance: Brownish lyophilized powder (in PBS buffer) in a microcentrifuge tube.
- (e) Amount: each tube contains either 100 µg or 500 µg of product as specified on the label.
- (f) Reconstitution: For 100 µg Tube, dissolve in 62.5 µL of deionized water to achieve 1.6 mg/mL in 1xPBS buffer (no preservative); For 500 µg Tube, dissolve in 312.5 µL of deionized water to achieve 1.6 mg/mL in 1xPBS buffer (no preservative).

SKU Code and Batch Number:

- (a) SKU Code: CM53202-100UG or CM53202-500UG
- (b) Lot Number: S414.S13.0726B

Purity, HRP Activity, MS Data, and Loading:

- (a) HPLC Purity: ≥99% of conjugates, ≤ 9% of aggregates or higher than 1:1 ratio conjugates, free of any unreacted HRP and streptavidin (Purified by Chromatography).
- (b) HRP Activity: ≥250 units/mg protein [Unit Definition. One unit is amount of enzyme that will form 1.0 mg purpurogallin from pyrogallol in 20 sec. at pH 6.0 at 20 °C].
- (c) MALDI-TOF MS Data of Intact Protein:
Calculated for 1:1 HRP-Streptavidin Tetramer: 96,397 Da; Obtained: 96,615 Da
- (d) HRP over Streptavidin Tetramer Ratio: 1

Intended Use: For research and development use only.


Applications: ELISA, IHC, WB, Immunomicroscopy, Dot Blot, Flow Cytometry (recommended concentration: 0.01-0.1 µg/mL)

Hazard Information: No known OSHA hazards. See SDS for details.

Shelf Life, Storage/Stability: The conjugate is fairly stable as solid at ambient temperature. Recommended long term storage is at -20°C or preferably at -80°C freezer. After reconstitution, the stock solution could be used up to 1 week if stored at 2-8°C, and for about 2-4 weeks if stored frozen at -20°C or below; without significantly losing HRP activity.

Expiration Date: 1 year after receiving if stored at -20°C or below.

Data Appendix: Size exclusion HPLC and MALDI-TOF MS Data.

 CellMosaic, Inc. www.cellmosaic.com
10 A Roessler Road, Woburn, MA 01801, USA.

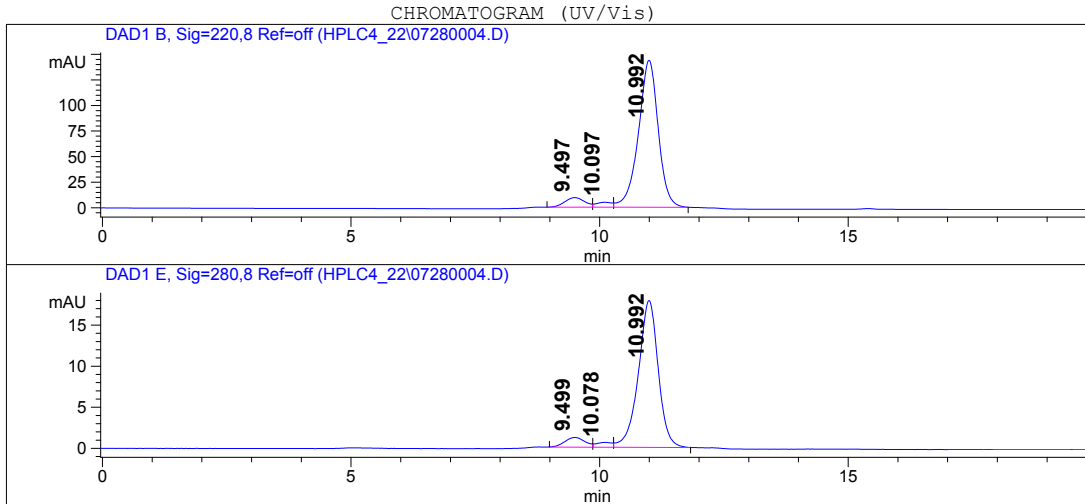
HPLC ANALYSIS DATA

Data Acquired By:QC
Sample Location:Vial 81
Sample Name:S414.S13.0726B

Actual injection Volume:10.0 uL
Sequence Name:
Method:C:\HPCHEM\1\METHODS\TSK-L5.M
Pressure: 35.4 bar
Flow: 0.750 mL/min
Temp (C): 25.0 C

-- SAMPLE INFORMATION --
S414.S13.0726B
x3.704

->



Signal Description Wavelength (nm), Bw	Retention Time [Min.]	Area [mAU.s]	Area %
DAD1 B, Sig=220,8 Ref=off	9.497	263.7	6.0
	10.097	108.4	2.5
	10.992	3989.6	91.5
DAD1 E, Sig=280,8 Ref=off	9.499	33.4	6.1
	10.078	13.0	2.4
	10.992	497.8	91.5

*****END OF REPORT*****

MALDI-TOF Mass Analysis of HRP-Streptavidin

D:\Data\Core Use Only\080822\6815s\0_C15\2\1Lin

