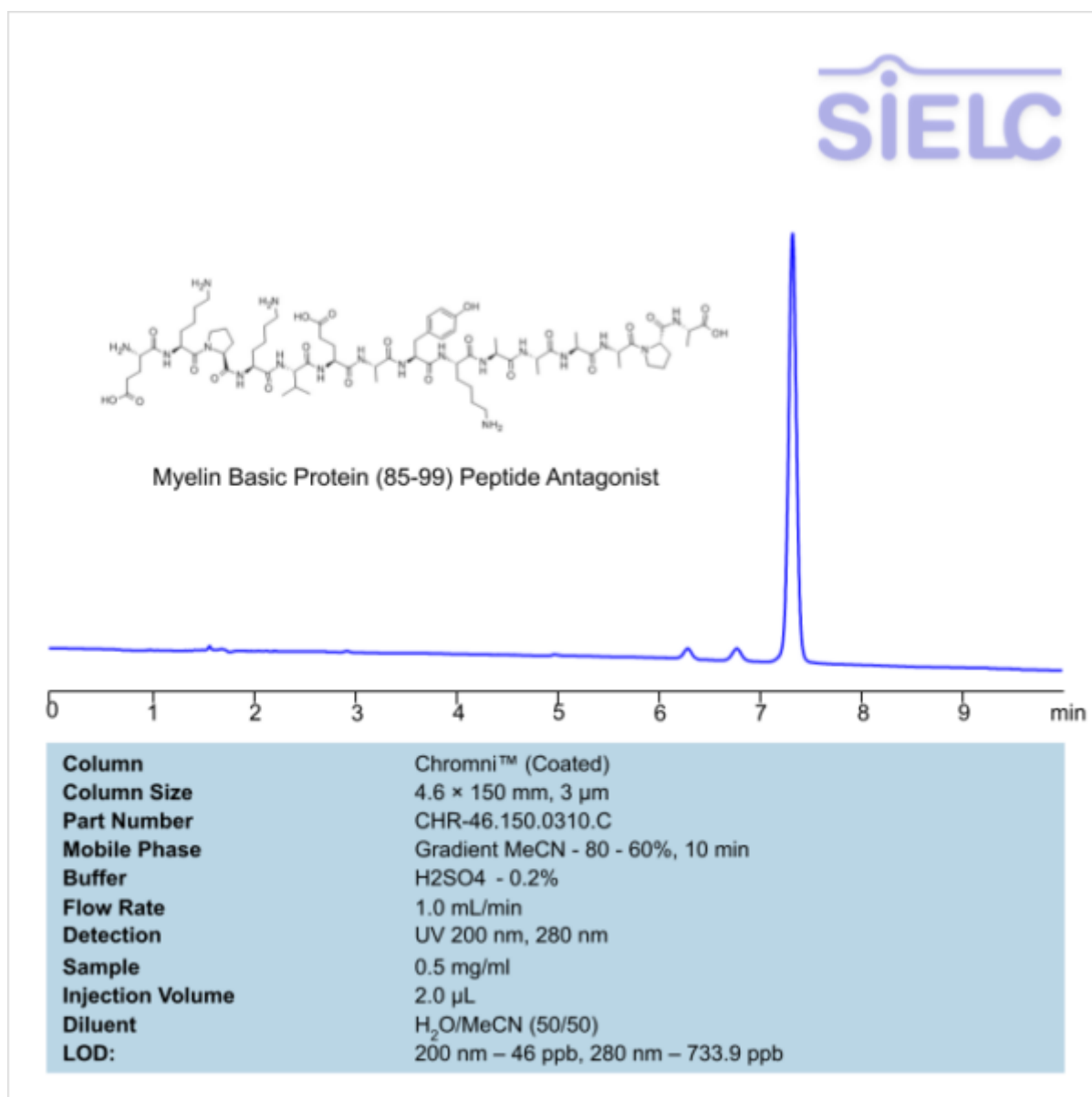


HPLC Method for Analysis of Myelin Basic Protein (85-99) Peptide Antagonist on Chromni Column

<https://sielc.com/hplc-analysis-of-myelin-basic-protein-85-99-peptide-antagonist>

Chromatogram



Description

High Performance Liquid Chromatography (HPLC) Method for Analysis of Myelin Basic Protein Peptide Antagonist

Myelin Basic Protein Peptide Antagonist is a synthetic peptide antagonist with the molecular formula C₇₀ H₁₁₄ N₁₈ O₂₁ • XCF₃ COOH. When expressing an MBP (85-99), it inhibits the production of IL-2 in T cell hybridoma cells. MBP peptide antagonist also delays MBP (85-99)-induced experimental autoimmune encephalomyelitis and reduces symptom severity. You can find detailed UV spectra of Myelin Basic Protein Peptide Antagonist and information about its various lambda maxima by visiting the following link.

Myelin Basic Protein Peptide Antagonist is analyzed using a Chromni stationary phase column under gradient conditions with a mobile phase composed of acetonitrile (MeCN) and water. Detection is performed by UV absorbance detection.

Method Parameters

Mobile Phase	MeCN/H ₂ O- 80/20 – 60/40%, 10 min
Buffer	H ₂ SO ₄ – 0.2%
Flow Rate	1.0 mL/min
Detection	UV 200 nm, UV 280 nm
Limit of Detection*	200 nm – 46 ppb, 280 nm – 733.9 ppb
Class of Compounds	Peptide
Analyzing Compounds	Myelin Basic Protein Peptide Antagonist

HPLC Column Used

Chromni, 4.6 x 150 mm, 3 µm, 100 Å, surface coated

[Order this column at hplc-shop.de →](https://www.hplc-shop.de)