

Certificate Of Analysis
Quality Control Testing and Research ApplicationCOA Preparation Date: 30/01/2017
COA Revision Date: 30/01/2020

Product: **MOG (35-55) (mouse, rat)**
Cat. No.: BP0328
Batch No.: 0328BP/09
Chemical Name: Myelin oligodendrocyte glycoprotein (35-55) (mouse, rat)

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C₁₁₈H₁₇₇N₃₅O₂₉S
Batch Molecular Weight: 2581.95
CAS No.:
Physical Appearance: White lyophilised solid
Melting Point:
Solubility: Soluble in water
Storage: Desiccate at -20° C
Batch Molecular Structure:

H-Met-Glu-Val-Gly-Trp-Tyr-Arg-Ser-
Pro-Phe-Ser-Arg-Val-Val-His-Leu-
Tyr-Arg-Asn-Gly-Lys-OH

Product Description: **Myelin Oligodendrocyte Glycoprotein (MOG) fragment that induces severe chronic experimental autoimmune encephalomyelitis in transgenic mice. MOG is found exclusively in the CNS, where it is localized on the surface of Myelin and Oligodendrocyte cytoplasmic membranes. It has been implicated as an important autoantigen in Multiple Sclerosis (MS).**

References: 1. Encinas et al. (1999) Nature Gen 21:158; 2. Hisahara (2000) EMBO J 19:341; 3. Ford and Evavold (2003) Immunology 171:1247; 4. Frausto et al. (2007) J Neuroimmunol 192:124

- CAUTION - Not fully tested. For Research use only. Not for human use. –

Certificate Of Analysis
Quality Control Testing and Research Application

COA Preparation Date: 30/01/2017
 COA Revision Date: 30/01/2020

BP0328 MOG (35-55) (mouse, rat)

2. ANALYTICAL DATA

HPLC: corresponds to the reference

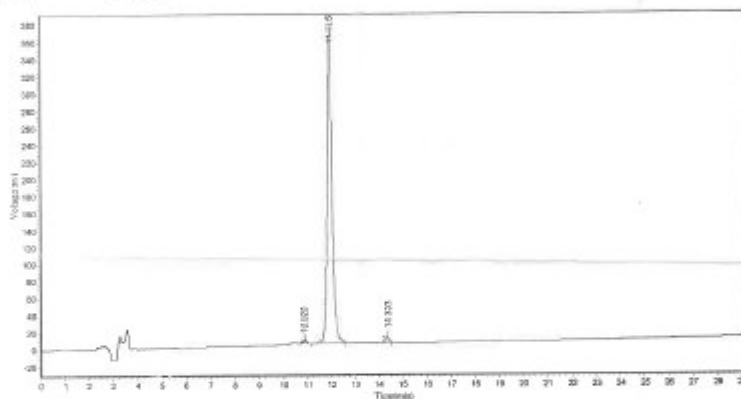
MS: corresponds to the reference

Tests: HPLC Assay: 98.31% (complies).

Column : 4.6*250mm, Kromasil C18 5um
 Solvent A : 0.1% trifluoroacetic in 100% acetonitrile
 Solvent B : 0.1% trifluoroacetic in 100% water
 Gradient

	A	B
0.01min	25%	75%
25.0min	50%	50%
25.1min	100%	0%
30.0min	STOP	

Flow rate : 1.0ml/min
 Wavelength : 220nm
 Volume : 20ul



Rank	Time	Height	Area	Conc.
1	10.920	2197.135	23927.949	0.4447
2	11.938	367236.688	5290470.000	98.3158
3	14.333	6686.606	66701.094	1.2395
Total				100

- CAUTION - Not fully tested. For Research use only. Not for human use. –