

Certificate Of Analysis
Quality Control Testing and Research ApplicationCOA Preparation Date: 15/06/2015
COA Revision Date: 15/06/2018

Product: **MOG (35-55) (mouse, rat)**
Cat. No.: BP0328
Batch No.: 0328BP/07
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. –

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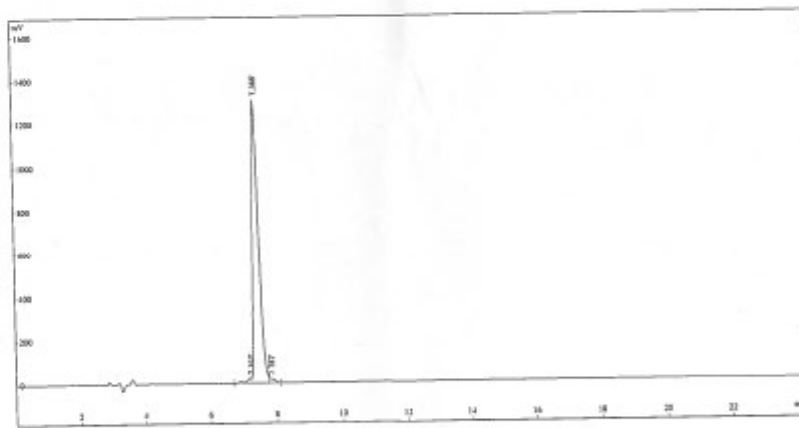
2. ANALYTICAL DATA

HPLC: corresponds to the reference

MS: corresponds to the reference

Tests: HPLC Assay: 96.83% (complies).

Product Name:051716
 Instrument No: 0200047
 Lot No :P150514-GY051716
 Column :4.6*250mm,kromasil C18-5
 Solvent A :0.1%Trifluoroacetic in 100% Acetonitrile
 Solvent B :0.1%Trifluoroacetic in 100% Water
 Gradient : A B
 0.01min 23% 77%
 25min 48% 52%
 25.1min 100% 0%
 30min Stop
 Flow rate :1.0ml/min
 Wavelength :220nm
 Volume:5ul
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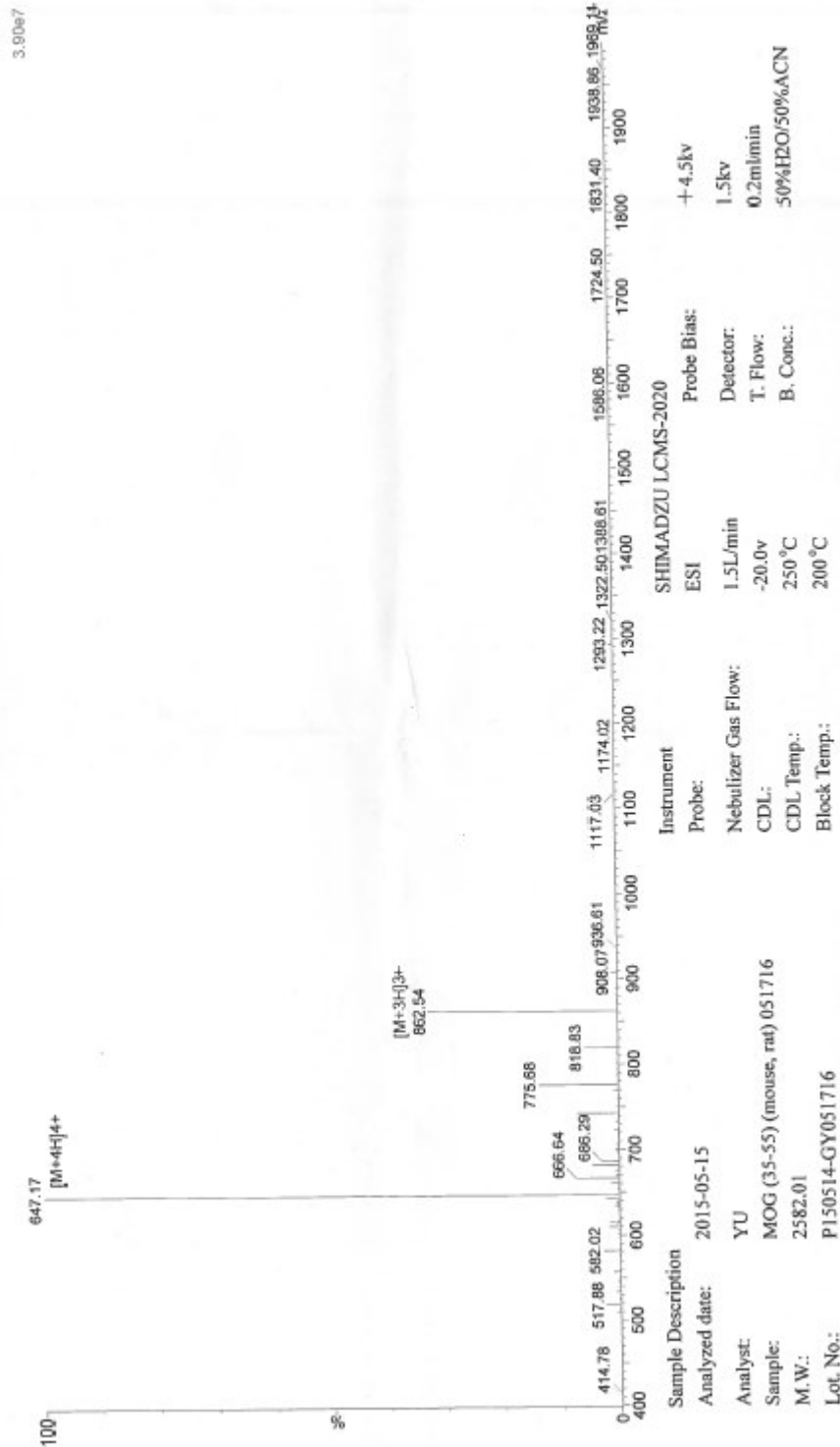
Rank	Time	Name	Conc.	Area
1	7.163		1.882	319364
2	7.388		96.83	16432523
3	7.787		1.281	217305
Total			100	16969192

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Certificate Of Analysis
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COA Preparation Date: 08/01/2007
 COA Revision Date: 08/01/2010

MASS SPECTROMETRY REPORT



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