

## CERTIFICATE OF ANALYSIS

Product Name	FLAG Epitope Peptide, DYKDDDDK(Cat.#302533)
Lot No.	MTFA80345-1205
Sequence	DYKDDDDK
Dissolution condition	100%H <sub>2</sub> O
Length	8AA
Modification	N/A
Molecular Weight (MW)	1012.96
Storage	-20°C

Test Items	Specifications	Results
MW by MS	1012.95	Conforms
Purity by HPLC	>95%	98.848%
Peptide Content	N/A	N/A
Moisture content	N/A	N/A
Acetic acid content	N/A	N/A
Appearance	White to off-white lyophilized powder	Conforms
Quantity	30mg	30.0mg

NovoPro Bioscience Inc. (hereafter NovoPro) warrants material of said quality at the time of sale. It is the sole responsibility of the customers to determine the adequacy of all materials for any intended or specific purpose or use. NovoPro's sole obligation is to replace the material up to the extent of the purchase price. This warranty applies only to products in original packaging and does not apply to a product which has been tampered with or altered in any way in or which has been misused or damaged by accident or negligence. All claims must be received writing (by fax or email) within 30 days from date when product arrive at the destination city and failure to do so shall constitute a waiver by customers for any and all such claims.

Certified by:



Apr/15/2025

Quality Assurance Department



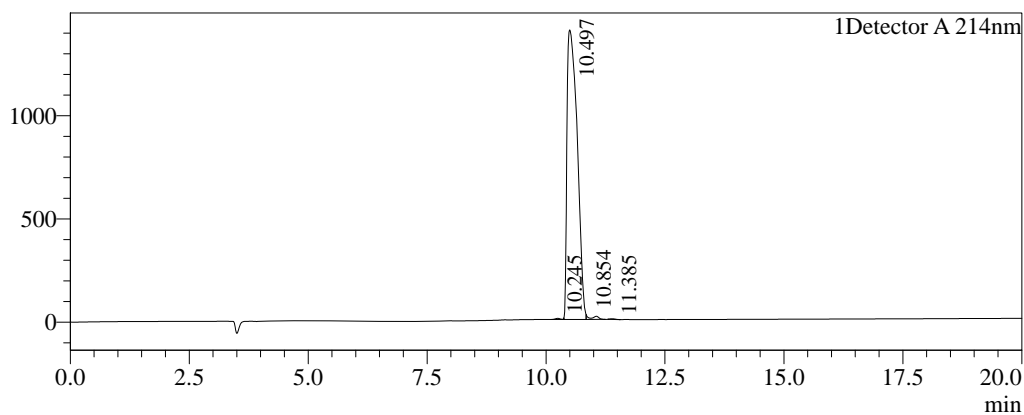
### Sample Information

Order ID :MTFA80345  
 Name :Flag-Peptide  
 Sequence :DYKDDDDK  
 Lot. No :MTFA80345-1205  
 Pump A :0.1% Trifluoroacetic in 100% water  
 Pump B :0.1% Trifluoroacetic in 100% acetonitrile  
 Total Flow :1ml/min  
 Wavelength :214nm  
 Analytical column type :Inertsil ODS-SP C18 (4.6\*250mm\*5um)  
 Dissolution method :100% H<sub>2</sub>O  
 Inj. Volume : 20ul  

Time	Module	Action	Value
0.01	Pumps	B.Conc	0.1
20.00	Pumps	B.Conc	20
33.00	Pumps	B.Conc	100
38.00	Pumps	B.Conc	100
40.00	Pumps	B.Conc	0.1
50.00	Controller	Stop	

### Chromatogram

mV

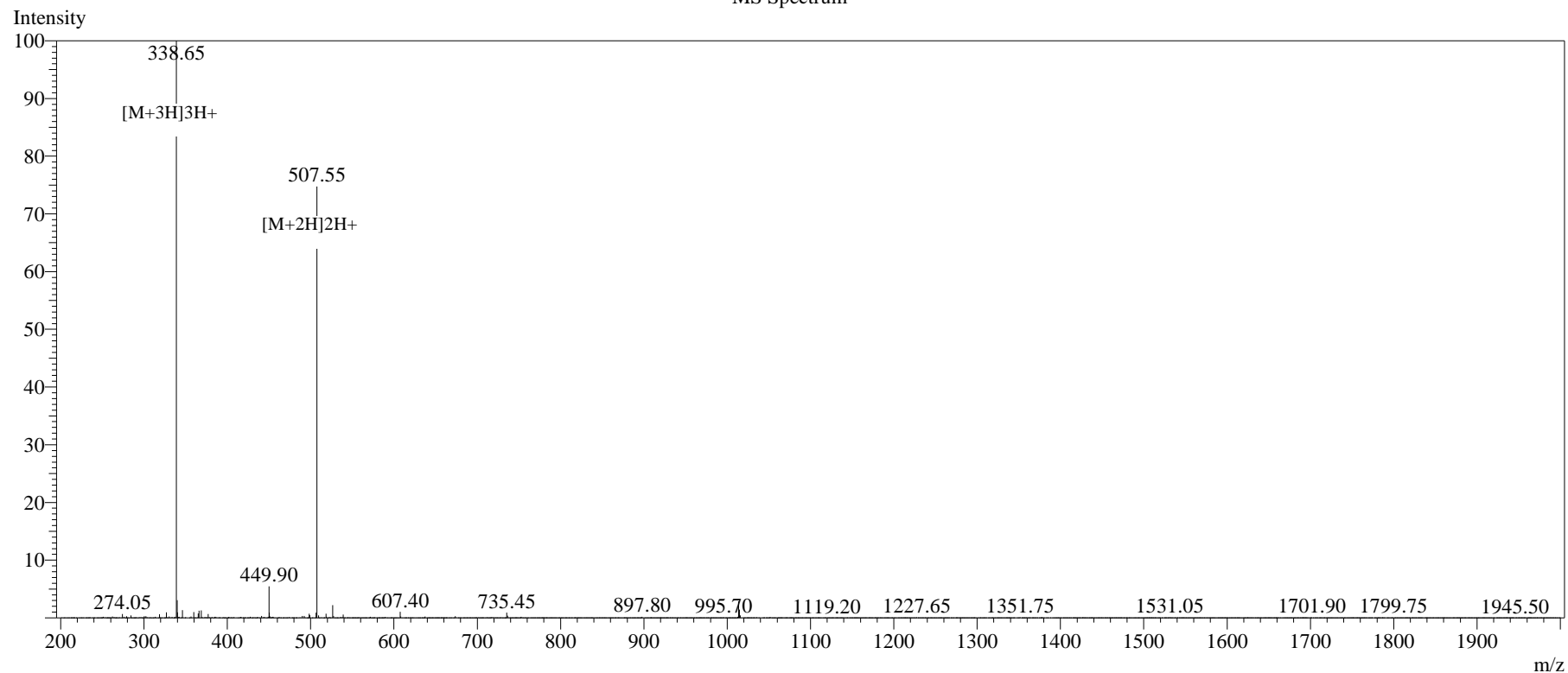


### Peak Table

Detector A 214nm

Peak#	Ret. Time	Area	Height	Area%
1	10.245	41725	5316	0.196
2	10.497	21025049	1402232	98.848
3	10.854	179134	18424	0.842
4	11.385	24206	3125	0.114
Total		21270114	1429097	100.000

# MS Spectrum



## Sample Information

Dissolution method :15% ACN+85% H<sub>2</sub>O  
 Date Acquired :2023/12/05 17:20:48  
 Injection Volume :0.2ul  
 Block Temp :200

Interface :ESI  
 Nebulizing Gas Flow :1.50L/min  
 CDL Temp :250°C  
 CDL Volt :0v

Prerod Bias :+4.5kv  
 Detector :-.0.2kv  
 T.Flow :0.2ml/min  
 B.conc :50% H<sub>2</sub>O/50% ME OH

Order ID :MTFA80345  
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 Sequence :DYKDDDDK  
 Lot.No :MTFA80345-1205  
 Theoretical :1012.96  
 Observed :1012.95