

CERTIFICATE OF ANALYSIS

Product Name	FLAG Epitope Peptide, DYKDDDDK (Cat.# 302533)
Lot No.	MTFA33403-250929
Sequence	DYKDDDDK
Dissolution condition	100%H ₂ O
Modification	N/A
Molecular Weight (MW)	1012.96
Storage	-20°C

Test Items	Specifications	Results
MW by MS	1012.90	Conforms
Purity by HPLC	>95%	95.029%
Peptide Content	N/A	N/A
TFA solubility	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	100 mg	10.0mg*10

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:



Oct/01/2025

Quality Assurance Department

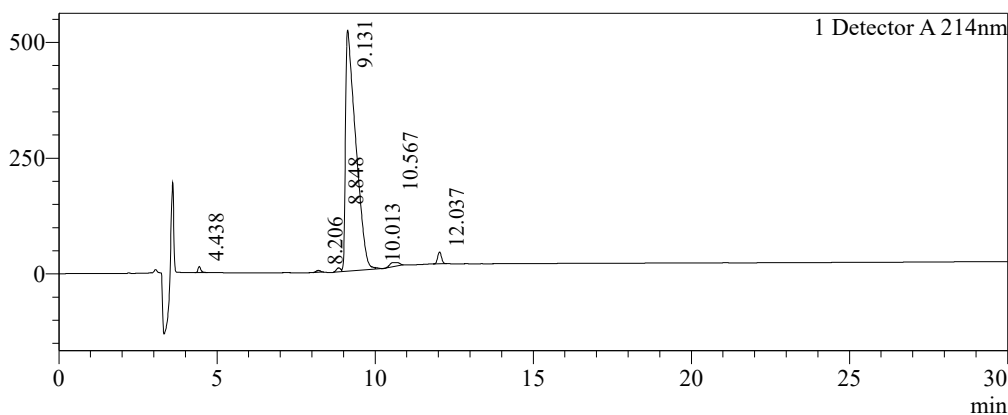


Sample Information

Order ID	:MTFA33403		
Name	:FLAG		
Sequence	:DYKDDDDK		
Lot. No	:MTFA33403-250929		
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	:Kromasil 100-5-C18 (4.6*250mm*5 µm)		
Dissolution method	:100%H ₂ O		
Inj. Volume	: 20ul		
Time	Module	Action	Value
0.01	Pumps	B.Conc	5
30.00	Pumps	B.Conc	35
33.00	Pumps	B.Conc	100
38.00	Pumps	B.Conc	100
40.00	Pumps	B.Conc	5
50.00	Controller	Stop	

Chromatogram

mV

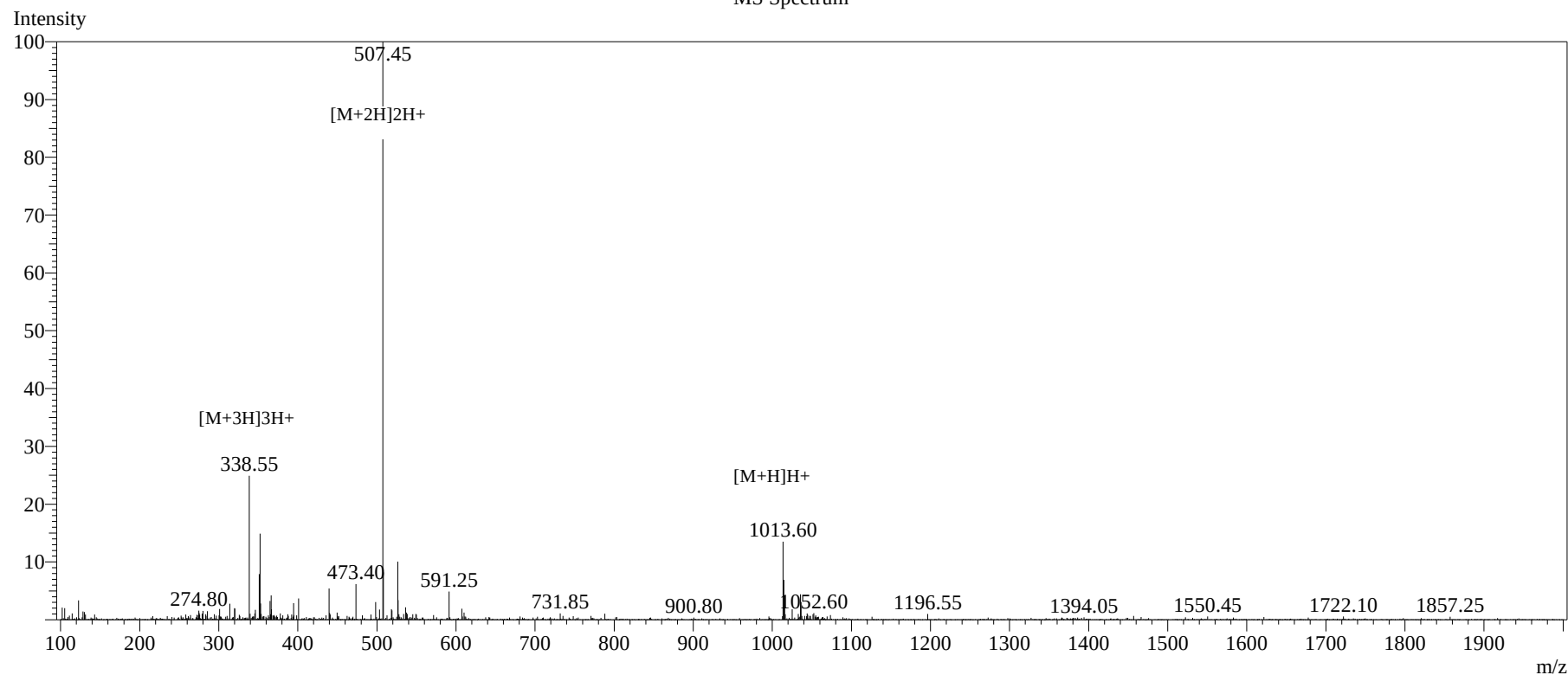


Peak Table

Detector A 214nm

Peak#	Ret. Time	Area	Height	Area%
1	4.438	79231	13221	0.644
2	8.206	36452	3911	0.296
3	8.848	82885	8829	0.673
4	9.131	11695348	520249	95.029
5	10.013	21561	3511	0.175
6	10.567	171692	8999	1.395
7	12.037	220018	25782	1.788
Total		12307186	584502	100.000

MS Spectrum



Sample Information

Dissolution method	:15%ACN+85%H2O	Interface	:ESI	Prerod Bias	:+4.5kv
Date Acquired	:2025/09/30 15:11:09	Nebulizing Gas Flow	:1.50L/min	Detector	:-0.2kv
Injection Volume	:0.2ul	CDL Temp	:250°C	T.Flow	:0.2ml/min
Block Temp	:200	CDL Volt	:0v	B.conc	:50%H2O/50%MEOH
Order ID	:MTFA33403				
Name	:FLAG				
Sequence	:DYKDDDDK				
Lot.No	:MTFA33403-250929				
Theoretical	:1012.96				
Observed	:1012.90				