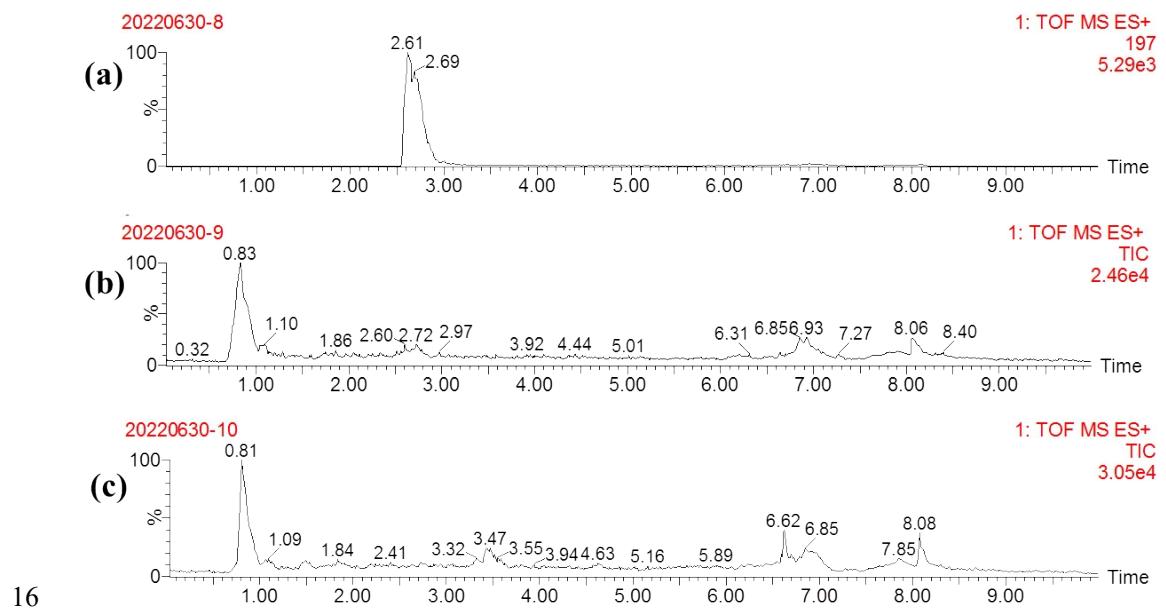
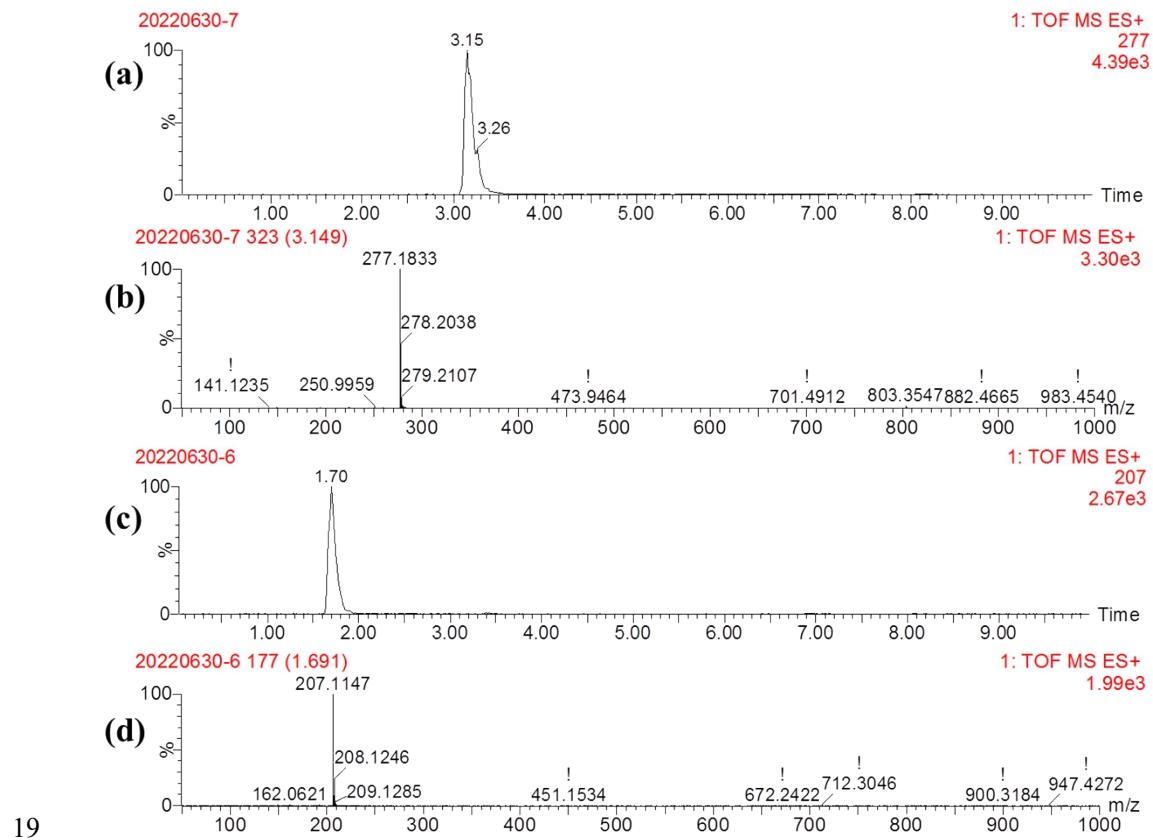
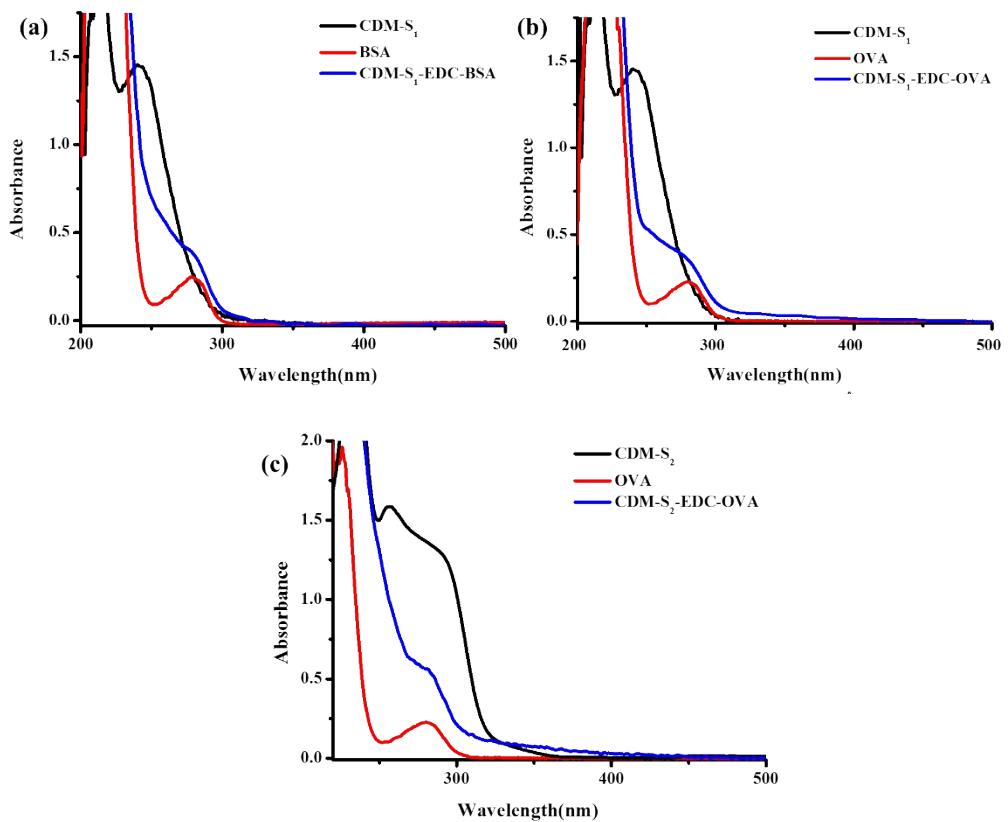


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- 6 **Figure S1.** LC-MS analysis of CDM standard solution and cucumber and tomato
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- 8 **Figure S2.** LC-MS analysis of CDM-hapten. (a) The liquid chromatogram spectrum of
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13 Confirmation of CDM-S₂-OVA.
- 14 **Table S1.** The IC₅₀ values of mAbs with different coating antigen.
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24 **Figure S3.** The UV-VIS spectroscopy of CDM-S₁, CDM-S₂, protein and conjugates.
 25 (a) Confirmation of CDM-S₁-BSA. (b) Confirmation of CDM-S₁-OVA. (c)
 26 Confirmation of CDM-S₂-OVA.

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Table S1. The IC₅₀ values of mAbs with different coating antigen.

mAbs	Coating antigen	IC ₅₀ (ng/mL)
3E1	CDM-S ₁	1.089
	CDM-S ₂	0.391
4A3	CDM-S ₁	0.643
	CDM-S ₂	0.287

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Table S2. Cross-reactivity of anti-CDM mAb 4A3.

Competitors	Structure	IC ₅₀ (ng/mL)	CR (%)
Chlordimeform		0.287	100
Formetanate		>50	<5
Amitraz		>50	<5
2,4-dimethylformamidine		>50	<5
2,4-dimethylaniline		>50	<5
4-chloro-2-methylaniline		>50	<5
3-acetamidophenol		>50	<5