

For HPLC/UHPLC



Develosil® FlexFire mAb-RP

NOMURA CHEMICAL CO., LTD



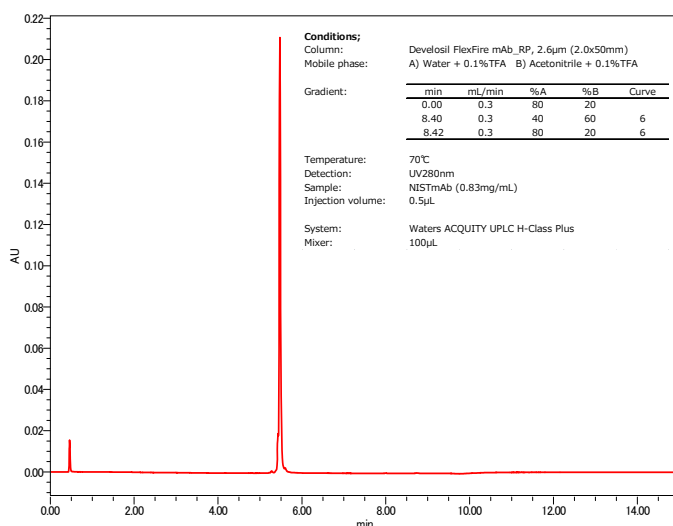
Develosil® FlexFire mAb-RP

From intact protein and antibody analysis to post-digestion peptide analysis

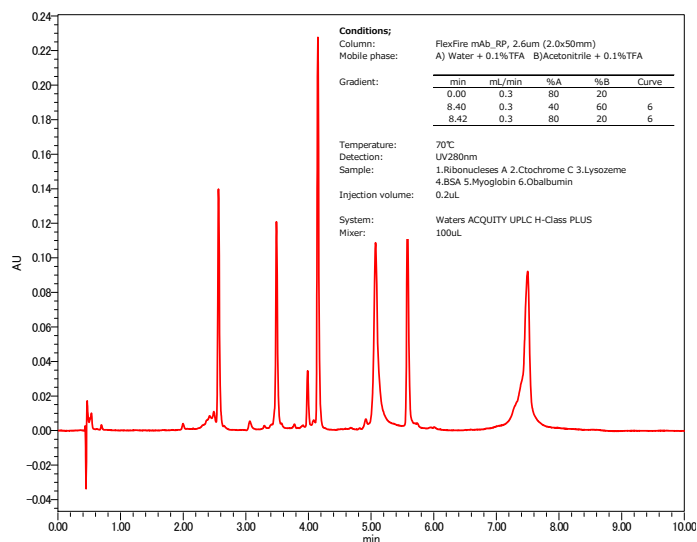
FlexFire mAb-RP was developed based on 1000 Å silica gel. With this single column, you can analyze intact proteins and monoclonal antibodies, and even analyze peptides after digestion. Matching the molecular weight of the compound with the pore size of the silica gel base material enables more sensitive analysis.

Spec of FlexFire mAb-RP

	FlexFire mAb-RP
Particle size	2.6µm, 5µm
Chemistry	Butyl
Surface area	24m ² /g
Pore volume	1.4mL/g
Pore diameter	100nm
Carbon	1.3%
End-cap	○
pH	pH1-10
Temperature	~80°C
Pressure range	2.6µm: 600bar (=60Mpa=8,702psi)
	5µm: 300bar (=30Mpa=4,351psi)

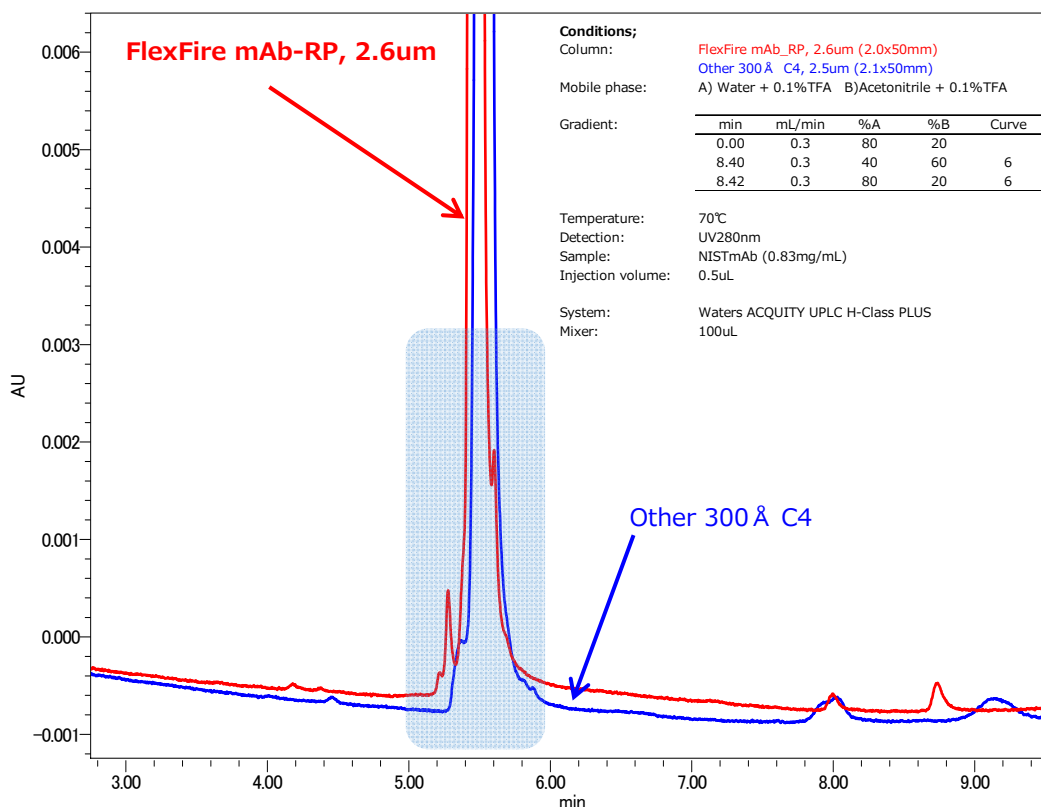


■ Analysis of Nist monoclonal antibody (NISTmAb) RM 8671

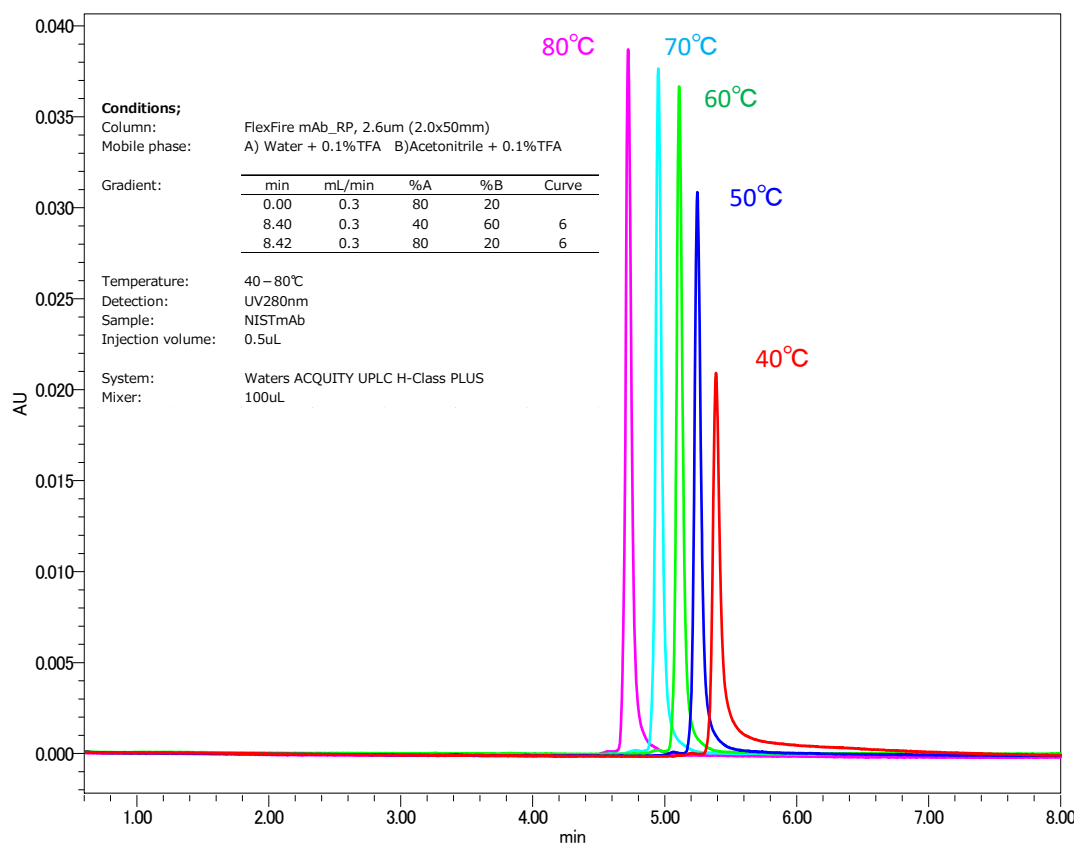


■ Analysis of Protein 6mixture

Enables clearer analysis!!

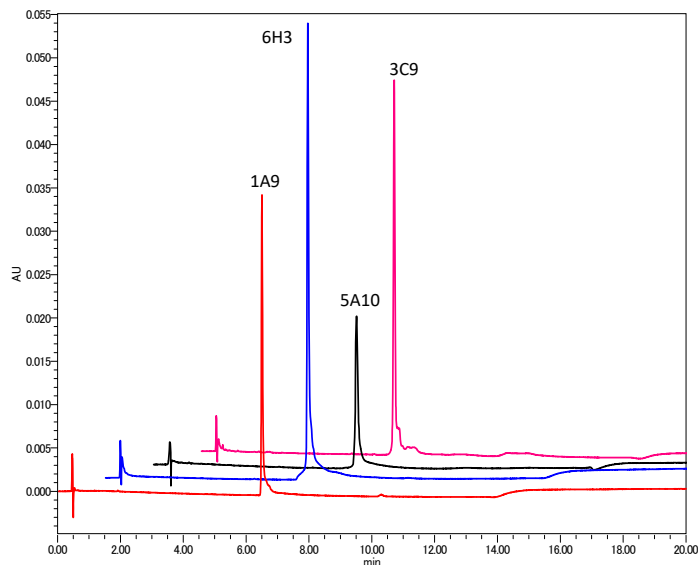


Monoclonal antibody (IgG) is a high molecular compound with a molecular weight of 150 KDa. It enables clear peak analysis that cannot be achieved with 300Å.



FlexFire mAb_RP does not necessarily require high temperature conditions. Peaks can be detected without the limitations of your column oven.

Anti-SARS-CoV-2 (COVID-19) Antibody



Conditions;

Column: FlexFire mAb_RP, 5um (2.0x50mm)
 Mobile phase: A) Water + 0.1%TFA B) Acetonitrile + 0.1%TFA

Gradient:	min	mL/min	%A	%B	Curve
	0.00	0.3	80	20	
	8.40	0.3	40	60	6
	8.42	0.3	80	20	6

Temperature: 70°C
 Detection: UV280nm
 Sample: [1A9] SARS-CoV/SARS-CoV-2 (COVID-19) spike antibody
 [6H3] SARS-CoV/SARS-CoV-2 (COVID-19) nucleocapsid antibody
 [5A10] SARS-CoV/SARS-CoV-2 (COVID-19) NSP8 antibody
 [3C9] SARS-CoV/SARS-CoV-2 (COVID-19) ORF7a antibody

Injection volume: 10uL

System: Waters ACQUITY UPLC H-Class PLUS
 Mixer: 100uL

FlexFire mAb-RP has wide selectivity under all conditions (composition, pH, temperature). This selectivity facilitates method development for characterization and saves time by selecting UHPLC with a 2.6 μ m particle size.

Order information

Product	Particle	Size (i.d.XL)	Sutainless	Metal-Free
FlexFire mAb_RP	2.6 μ m	2.0x35mm	320-L20035W	320-L20035MFW
		2.0x50mm	320-L20050W	320-L20050MFW
		2.0x75mm	320-L20075W	320-L20075MFW
		2.0x100mm	320-L20100W	320-L20100MFW
		2.0x150mm	320-L20150W	320-L20150MFW
		2.0x250mm	320-L20250W	320-L20250MFW
	5 μ m	2.0x35mm	320-520035W	320-520035MFW
		2.0x50mm	320-520050W	320-520050MFW
		2.0x75mm	320-520075W	320-520075MFW
		2.0x100mm	320-520100W	320-520100MFW
		2.0x150mm	320-520150W	320-520150MFW
		2.0x250mm	320-520250W	320-520250MFW

■ Contact us



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