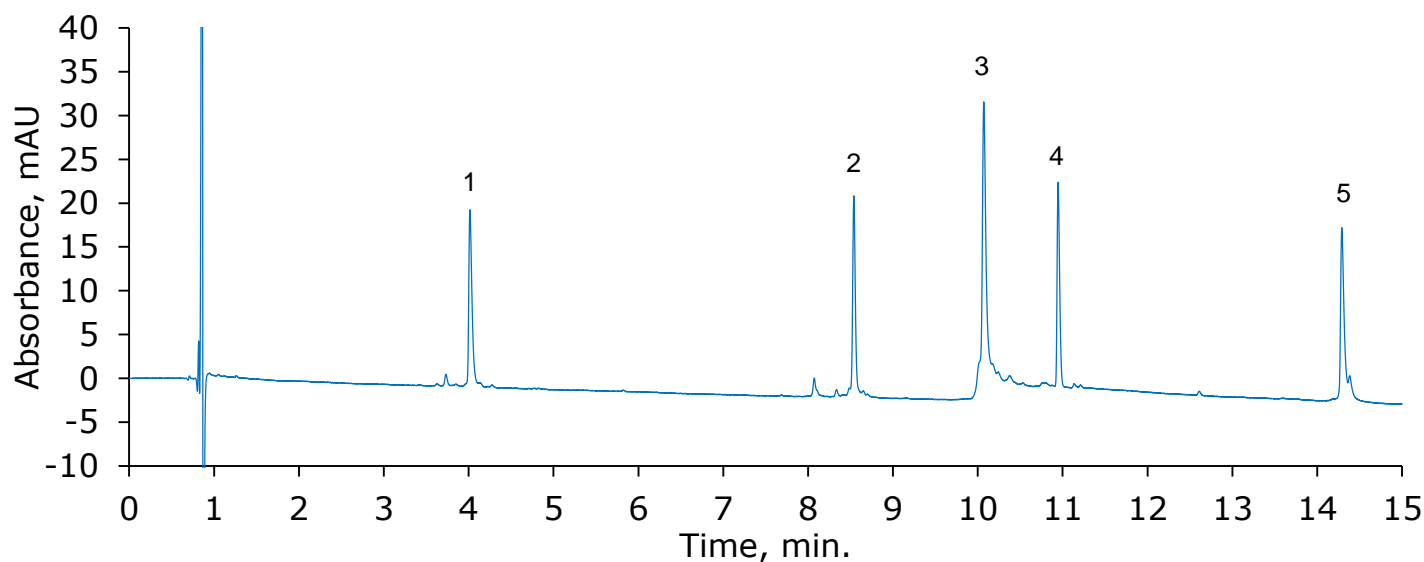




# UHPLC Analysis of Proteins on BIOshell™ IgG 1000 Å C18, 2.7 µm



## Conditions:

**column:** BIOshell™ IgG 1000 Å C18, 15 cm x 2.1 mm I.D., 2.7 µm

**mobile phase:** [A] Water (0.1% v/v trifluoroacetic acid); [B] 20:80 Water:Acetonitrile (0.085% v/v trifluoroacetic acid)

**gradient:** 27% B to 60% B in 15 min

**flow rate:** 0.4 mL/min

**column temp.:** 60 °C

**detector:** UV, 280 nm

**injection:** 2 µL

**sample:** Proteins, varied concentration, Water (0.1% v/v trifluoroacetic acid)

Peak Number	Compound
1	Ribonuclease A
2	Lysozyme
3	SigmaMAb
4	Alpha-Lactalbumin
5	Enolase

## Description:

In this application, a mixture of proteins with a wide range of molecular weights was successfully separated using the BIOshell™ IgG 1000 Å C18 column. This column provides excellent resolution and peak shape due to its larger pore size, making it ideal for proteins and other large biomacromolecules.

## Materials:

Product Part Number	Description
582703-U	BIOshell™ IgG 1000 Å C18, 15 cm x 2.1 mm I.D., 2.7 µm
270733	Water
34851	Acetonitrile
302031	Trifluoroacetic acid
R5500	Ribonuclease A from bovine pancreas
L6876	Lysozyme from chicken egg white
MSQC4	SILu™Lite SigmaMAb Universal Antibody Standard
L5385	Alpha-Lactalbumin from bovine milk
E6126	Enolase from baker's yeast ( <i>S. cerevisiae</i> )

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