

CERTIFICATE OF ANALYSIS

Important Note: Centrifuge before opening to ensure complete recovery of vial contents.

Catalog #: R01675 **Lot #:** 2F16122

Description: Protein A, Recombinant
Expressed in soy-based media, free of animal proteins.

Source: *E. coli*

Format: Purified, Liquid

<u>Test</u>	<u>Specification</u>	<u>Results</u>
Bioburden	No organisms detected.	Pass
Endotoxin	≤ 0.5 EU/mg	Pass
Protein Concentration (A275)	≥ 50 mg/mL	54 mg/mL
10% SDS-PAGE (Coomassie Stain)	Single major band 45 kDa ± 1 kDa	44,500 Da
Purity (HPLC)	≥ 98% at 214nm	99 %
	≥ 95% at 280nm	96 %
hIgG Binding	≥ 95%	99 %
Conductivity	< 0.1 mS/cm	0.0 mS/cm
UV Spectrum	E _{270/250} ≥ 1.2	1.6
	E ^{0.1%} at 270nm = 0.14-0.20	0.16
Triton Content, HPLC	≤ 0.015%	No Detectable Peak
Isoelectric Focusing	Single band between 4.6 and 5.2 pI markers.	Single band apparent at 5.0

Preservative: None

Applications: Specific methodologies have not been tested using this product.

Inactivation: Not Applicable

Storage: Store at ≤ -20°C. Avoid multiple freeze/thaw cycles.

Safety Note: Refer to the appropriate Safety Data Sheet (SDS) for additional information.

Quality Signature:



13 Jun 2022

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY