



**Meridian**  
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## CERTIFICATE OF ANALYSIS

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

**Catalog #:** Z0B02-194 **Lot #:** 11L34315

**Description:** Protein A, Recombinant

**Source:** *E. coli*

**Format:** Purified, Liquid

<u>Test</u>	<u>Result</u>	<u>Specification</u>
Bioburden	No organisms detected	No organisms detected
Endotoxin	$\leq 0.5$ EU/mg	$\leq 0.5$ EU/mg
Protein Concentration (OD <sub>275</sub> )	57.4 mg/mL	$\geq 50$ mg/mL
10% SDS-PAGE (Coomassie Stain)	Single major band equivalent to reference.	Single major band 45 kDa $\pm$ 1 kDa
Purity (HPLC)	99.4%	$\geq 98\%$ at 214nm
	100%	$\geq 95\%$ at 280nm
hIgG Binding	99.2%	$\geq 95\%$
Conductivity	0.04 mS/cm	$< 0.1$ mS/cm
UV Spectrum	1.7	$E_{270/250} \geq 1.2$
	0.16	$E^{0.1\%}$ at 270nm = 0.14-0.20
Triton Content	no peak detected	$\leq 0.015\%$
Isoelectric Focusing	Single major band apparent at pI 4.7	Single band between 4.6 and 5.2 pI markers

**Preservative:** None

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

**Inactivation:** Not Applicable

**Storage:** Store at  $\leq -20^{\circ}\text{C}$ . Avoid multiple freeze/thaw cycles.

*Robert Ott*

Signature

09 Dec 2015

Date

**FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY**