**KENDRICK LABORATORIES, INC**
**2D Electrophoresis & Custom Protein Analysis**
kendricklabs.com
2d@kendricklabs.com

1202 Ann St
Madison, WI 53713
Tel: 800-462-3417. 608-258-1565
Fax: 608-258-1569

September 27, 2023

Dr. XXX XXXX
Company
Address

Dear Dr. XXXX,

Enclosed is a report detailing the results of one HCP antibody analysis obtained from 2D electrophoresis and western blotting of your protein sample and commercial antibody. Also enclosed are the silver-stained gels, ECL films, Western blotted PVDF membranes, and a CD containing copies of the files. A summary of the results is listed in Table 1. Gel loading and sample preparation are given in Table 2.

| Film ID | Sample | Antibody Used | Percent Coverage | Figure Page # |
|---|---|---|---|---|
| LF1762 #8 | K12 MG1655 *E. coli* | Cygnus Goat Ani-*E. coli* | 73% (1550/2120) | p. 2 - 5 |

Table 1. Summary of Results of One HCP Antibody Analysis.

| Gel ID | Sample | µl loaded | µg loaded | Treatment/Antibody |
|---|---|---|---|---|
| LF1762 #8 | K12 MG1655 *E. coli* | 150 | 250 | Cygnus Goat Ani-*E. coli* |
| LF1762 #12 | K12 MG1655 *E. coli* | 150 | 25 | Silver |
| LF1762 #13 | K12 MG1655 *E. coli* | 150 | 25 | Silver |

Table 2. Key to 2D Gel Loading and Sample Preparation. The sample was lysed in 5 ml of SDS boiling buffer without reducing agents and 5 ml osmotic lysis buffer containing nucleases, protease inhibitors, and phosphatase inhibitors. The sample was sonicated for 5 minutes, heated in a boiling water bath for 5 minutes, and treated with omnicleave. The protein concentration of the sample (16.2 mg/ml) was then determined using the BCA Assay (Smith et. al. *Anal. Biochem. 150:* 76-85, 1985, and Pierce Chemical Co., Rockford, IL). Sample was diluted to 2.5 and 0.25 mg/ml in SDS boiling buffer diluted 1:1 in Urea sample buffer before loading.

Please feel free to contact me if you have any questions.

Sincerely,

Isaac O'Malley-Laursen
Senior 2D Analyst