



Data Sheet for Protein A Quantification ELISA kit

- PRECISION**

Protein A samples without IgG

Protein A Sample (ng/ml)	10	1	0.1	0
n	24	24	24	24
Mean OD at 450 nm	2.600	0.581	0.139	0.087
Standard deviation	0.049	0.015	0.005	0.003

Protein A samples containing 5 mg/ml human IgG

Protein A Sample (ng/ml)	50	10	2	0.4	0
n	12	12	24	24	24
Mean OD at 450 nm	1.509	1.198	0.591	0.253	0.119
Standard deviation	0.028	0.026	0.014	0.004	0.003

- SENSITIVITY**

The minimal detectable concentration of Protein A was determined by adding four standard deviations of the mean optical density value (OD at 450 nm) of 24 zero sample replicates and calculating the corresponding concentration. Using 5 mg/ml human IgG in the samples the minimal detectable concentration was less than 1 ppm.

- RECOVERY**

The recovery of Protein A was evaluated in samples with and without human IgG, spiked to three different levels.

Sample Type	Average Recovery	Range
Protein A samples without IgG	104%	96% - 110%
Protein A samples containing 5 mg/ml human IgG	103%	101% - 105%

- SPECIFICITY**

This assay recognizes both natural and recombinant Protein A.

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