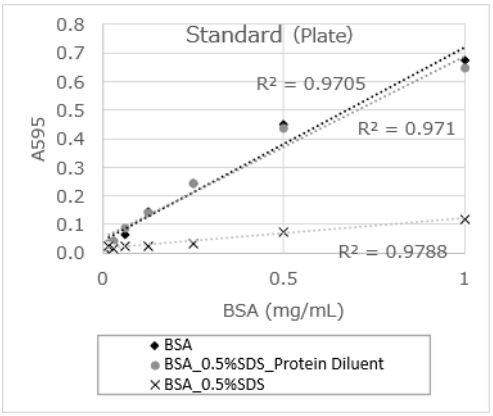
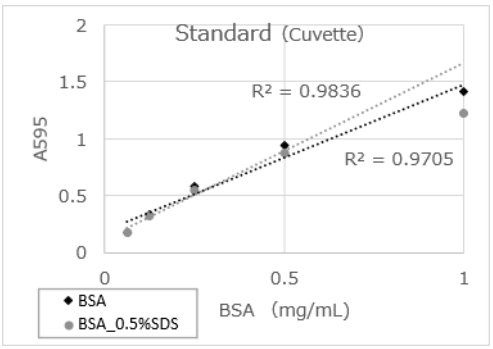
Reference: Concentrations of coexisting substances in sample solutions that do not affect the measurement

The table below summarizes the concentrations of coexisting substances contained in samples that do not affect the reaction of this reagent.

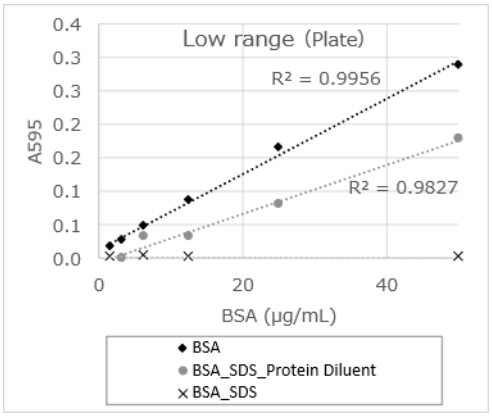
	Protein Diluent	
	無添加	添加
EzRIPA Lysis Kit	0.5x	0.5x
EzProteoLysis Native	1x	1x
EzBactYeast Crucher	0.5x	1x
EzApply	0.0625x	1x
Sodium Deoxycholate	0.00%	10.00%
SDS	0.00%	0.63%
Triton X-100	0.31%	2.5%
NP-40	0.63%	2.5%
Tween 20	0.63%	0.63%
CHAPS	10%	10%
N-Octyl-β-D-glucopyranoside	1.25%	10%
n-Octyl-β-D-thioglucoside	2.5%	10%
Dodecyl-β-D-maltoside	1.25%	2.5%
2-Mercaptoethanol	40 mM	40 mM
Dithiothreitol	40 mM	40 mM
TCEP	40 mM	40 mM
Cysteine	40 mM	40 mM
Tris/pH8.0	1 M	1 M
Tricine/pH8.0	1 M	1 M
HEPES/pH8	500 mM	1 M
MOPS/pH8	1000 mM	1000 mM
Sodium Phosphate Buffer	500 mM	1 M
PBS	2x	2x
TBS	1x	1x
Ammonium sulfate	4000 mM	4000 mM
Urea	6000 mM	3000 mM
Thiourea	2000 mM	2000 mM
Trichloroacetic acid	750 mM	750 mM
N,N-dimethylformamide	20%	20%
Dimethyl sulfoxide	20%	20%
Glycerol	20%	20%
Glucose	20%	20%
Sucrose	20%	20%
CaCl2	100 mM	100 mM
MgCl2	125 mM	250 mM
NaOH	250 mM	250 mM
HCl	500mM	500mM
MeOH	40%	40%
EtOH	40%	40%
EDTA	200 mM	200 mM
EGTA	40 mM	40 mM

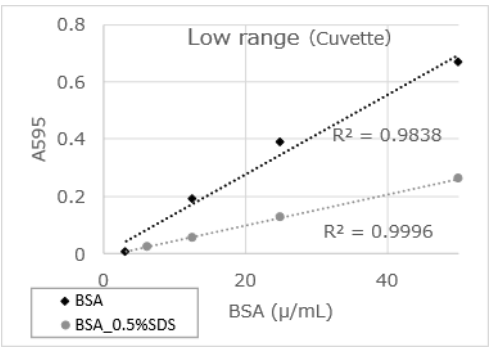
Reference Data



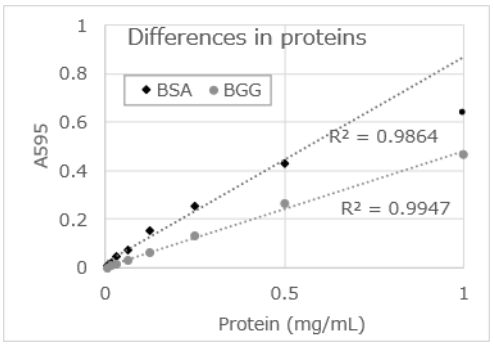


Standard Method Calibration Curve
This shows a calibration curve prepared using a 1/2 dilution series of **BSA Standard**. BSA, BSA containing 0.5% SDS (BSA_0.5%SDS), and BSA containing 0.5% SDS with **Protein Diluent** (BSA_0.5%SDS_**Protein Diluent**) were measured in a 96-well plate (top) and cuvette (bottom). Both curves show good linearity, indicating that the addition of **Protein Diluent** minimizes the inhibitory effect of SDS and enables quantification.

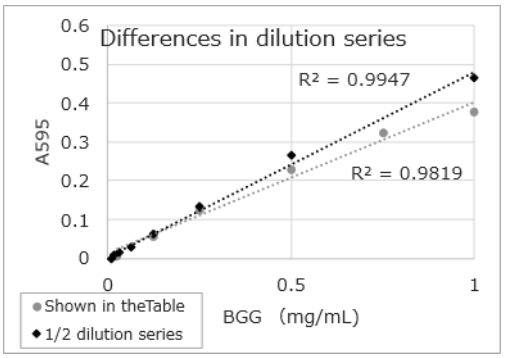




Calibration curves using low-concentration assays
These calibration curves were prepared using a 1/2 dilution series of **BSA Standard**. BSA, BSA containing 0.5% SDS (BSA_0.5%SDS), and BSA containing 0.5% SDS with **Protein Diluent** (BSA_0.5%SDS_**Protein Diluent**) were measured in a 96-well plate (top) and cuvette (bottom). Good linearity was observed even in the low-concentration range, demonstrating that the addition of **Protein Diluent** minimizes the inhibitory effect of SDS and enables quantification.



Differences in Proteins
These are calibration curves prepared using a 1/2 dilution series of **BSA Standard** and **BGG Standard**. Both are linear. It can be seen that the measured values for BSA are larger than those for BGG. Differences in Proteins
These are calibration curves prepared using a 1/2 dilution series of **BSA Standard** and **BGG Standard**. Both are linear. It can be seen that the measured values for BSA are larger than those for BGG.



Differences in Dilution Series
These calibration curves use a 1/2 dilution series of the **BGG Standard** and a dilution series of the **BGG Standard** prepared using the dilution method shown in the table on page 1. Both curves are linear and show similar slopes, indicating that the differences due to the dilution method are minimal.

ATTO CORPORATION
3-2-2 Motoasakusa, Taito-ku, Tokyo 111-0041, JAPAN
https://www.attoeng.com/
Contact