

Protein L Mix-N-Go™ ELISA Kits

The Gold Standard in Residual Protein L Impurity Analysis

Protein L affinity chromatography is typically used for the capture of antigen-binding domains (Fab), single chain variable fragments (scFv) and single-domain antibodies (sdAb) derived from kappa light chains. Even when covalently attached, Protein L can leach off the chromatography support and co-elute with the antibody fragment. **Cygnus Technologies' Protein L Mix-N-Go™ ELISA kit** enables accurate assessments of protein L impurity remaining in your antibody fragment drug products, which can remain bound to leached Protein L post-purification. The Mix-N-Go kit incorporates a proprietary single-step sample treatment to reduce the complexity of the Protein L assay and time to result, while increasing the robustness compared to traditional Protein L ELISAs.

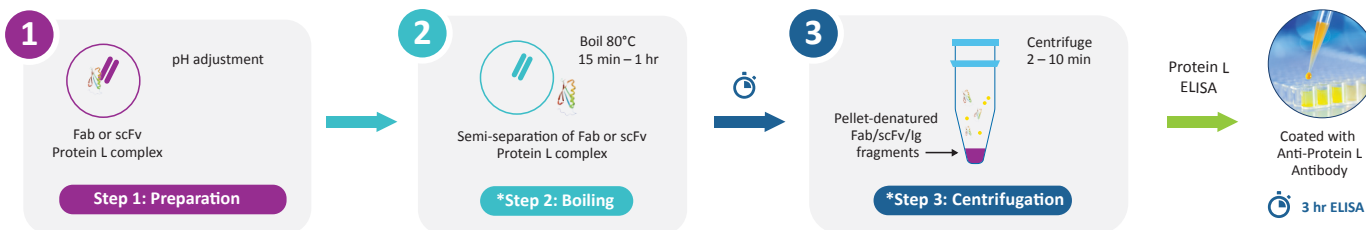
Highlights

- **No boiling** and **centrifugation**—less equipment & calibration
- Robust method—ensures **irreversible** Protein L dissociation from antibody fragment drug products
- Faster time to results—up to **~ 2 hours less** than other kits
- Better **precision**—fewer steps, fewer errors
- No additional reagents or preparation necessary—**pre-made standards** are provided

1-Step Protein L Mix-N-Go™ Sample Treatment and Assay



Traditional Protein L Kit Sample Treatment and Assay



*Typically required for samples that may contain Ig or Ig-fragments.

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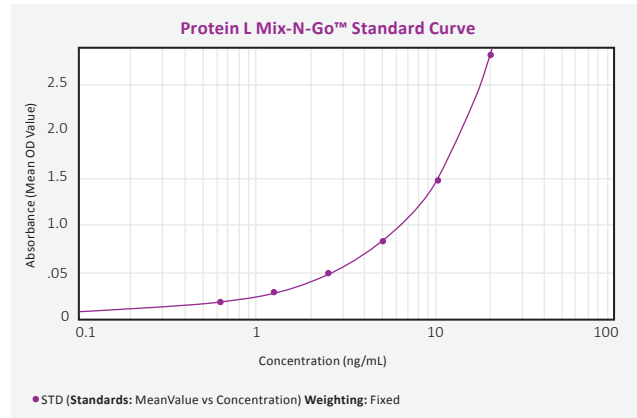
Assay Precision

Intra- and inter-assay precision was assessed on 4 pools with known concentrations.

Pool	Intra-assay CV n=20 replicates	Inter-assay CV (10 assays)
Low (~0.7 ng/mL)	6.5%	8.0%
Low-medium (~2.0 ng/mL)	7.1%	7.9%
Medium (~7.5 ng/mL)	7.3%	6.1%
High (~15 ng/mL)	5.4%	6.5%

Standard Curve

Typical standard curve data from an actual assay run using a 4-parameter fit is shown.



Simplified Assay Workflow

	Cygnus Technologies Protein L Mix-N-Go™ ELISA Kit	Competitor K, M
Sample Prep:		
Irreversible Dissociation of Protein L and scFv/Fab	Yes	No
Boiling required	No	Yes
Centrifugation step required	No	Yes
Total sample prep. time	10 minutes	45 minutes
Assay Prep:		
Reagent Preparation	All reagents ready to use	Prepare Calibrators
Calibrator prep. time	None	Make standard dilutions ~10 minutes
Format	Simultaneous	Sequential
Number of wash steps	1	2
Total time to result	1 hour 45 minutes	3 hours 40 minutes

Protein L Mix-N-Go™ ELISA Kit Details

Item Number: F1065

Storage: All kit reagents 2°C to 8°C

Assay format: 96 Well Plate

Time to result: ~1 hr 45 min

LOD: ~0.08 ng/mL

LLOQ: ~0.63 ng/mL

Recommended Diluent: G028

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Scan for more information



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